

April 2011 Predesign Sampling Event Summary, Universal Oil Products Site, East Rutherford, NJ

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This memorandum summarizes field activities and observations noted during the predesign sampling event conducted at the Universal Oil Products (UOP) site located in East Rutherford, New Jersey, from April 18 through 22, 2011. The objectives of this sampling event were to further delineate the areas of known contamination in the stream channel east and south of the lagoon for the purpose of providing information for the design of the non-time-critical removal action (NTCRA) and to collect representative sediment for treatability testing. The observations documented and data obtained from this sampling event are intended to assist in refining the design for the NTCRA by determining the depth to clay, refining the understanding of the contaminant concentrations with depth, and to confirm low contaminant concentrations in the native clay. The treatability sample results will be used to evaluate options for onsite treatment of excavated sediment and berm materials to support disposal options and to refine the estimate of the quantity of absorbent material needed to "dewater" excavated sediment.

Topics discussed within this memorandum include the following:

- Sample collection areas
- Vibracore sample collection for characterization
- Composite sample collection for treatability testing
- Investigation results

Sample Collection Areas

All sediment sampling was conducted in accordance with the appropriate standard operating procedures (SOPs) outlined in CH2M HILL's 2011 field sampling plan (FSP). Sediment samples were collected from six separate areas: the northern channel, the eastern channel, the eastern channel meander, the southern ditch the lagoon (eastern and western portions), and the berms (Figure 1). The summary of samples that were collected, by area, is as follows:

Sediment Sample Locations—Characterization

Sediment cores were collected using a Vibracore from 12 locations within the following three site areas:

- Eastern channel: SC-H.19, SC-H.20, and SC-H.24
- Eastern channel meander: SC-H.25, SC-H.26, SC-H.27, SC-H.28, SC-H.29, and SC-H.30
- Southern ditch: SC-H.21, SC-H.22, and SC-H.23

Sediment Sample Locations—Treatability Testing

Sediment composite samples were collected from the following four site areas:

- Northern channel (composite of three locations): CO-1a, CO-1b, and CO-1c
- Lagoon (composite of six locations): CO-2a, CO-2b, CO-2c, CO-2d, CO-2e, and CO-2f
- Eastern and southern berms (composite of four locations): CO-3a, CO-3c, CO-3d, and CO-3e
- Eastern channel and eastern channel meander (composite of 8 locations): SC-H.20, SC-H.24, SC-H.25, SC-H.26, SC-H.27, SC-H.28, SC-H.29, and SC-H.30
- Eastern channel (composite of one location): SC-H.19 (Sample location SC-H.19 represents the area of this channel with the highest historical concentrations.)

Sediment Vibracore samples collected in the southern ditch were not included in the composite sample submitted for treatability testing, as detailed in the FSP.

Vibracore Sample Collection for Characterization

Sediment core samples were collected from 12 locations, as shown in Figure 1. Table 1 summarizes the Vibracore sampling intervals and the depth at which native clay depth was observed for each sample location.

Sediment core samples were collected by a qualified subcontractor using a vibratory coring device (e.g. Vibracore) fitted with a 4-inch-diameter polycarbonate (Lexan) core liner in accordance with the SOP outlined in the FSP. Upon positioning on station, the following information was recorded in the field log book:

- Station identifier
- Time on station
- Water depth and tide stage (if applicable)
- Northing/easting
- General description of the sampling location and sediment type
- Time of sample collection
- Core penetration and recovery

The number of samples and sampling intervals depend on the depth at which clay was encountered. Overall, sediment cores were collected to approximately 8 to 10 feet below the sediment surface (bss). If clay was not encountered or could not be collected at a location, additional attempts were made with a longer core barrel until clay was obtained. Clay was encountered at every sample location.

Sediment cores were processed onshore by placing the cores on a decontaminated processing surface and longitudinally opening the core to examine and remove the sample. Care was taken to scrape away the smear zone of the core sample in order to inspect the structure of the sample. The sediment was visually characterized for type, color, moisture content, texture, grain size and shape, consistency, visible evidence of staining, and any other observations. Sediment logs were recorded, and digital photographs of each core sample were taken to visually document the undisturbed core structure.

Collection of Core Samples for Analysis

After the sediment cores were logged by the CH2M HILL field personnel, the cores were subsampled for chemical and physical analyses. Each core was screened with a photo-ionization detector (PID), multigas meter, and mercury vapor monitor. The VOC sample was collected prior to sample homogenization from either the midpoint of each sampling interval or the highest observed PID reading. The sampling intervals were adjusted in the field to correspond to observed differences in lithology. Organic silt material was not homogenized with the underlying native clay. In addition, only the first foot of native clay was sampled and submitted for chemical analysis.

VOC samples were collected using Encore samplers and the sediment from the specified sample interval was homogenized in dedicate disposable sampling equipment and transferred to laboratory certified sample containers. Immediately following sample collection, the sample bottles were placed in a cooler with ice. Ice was used to maintain the internal cooler temperature at $4 \pm 2^{\circ}\text{C}$ during sample collection and shipment to the laboratory as prescribed in the QAPP. Sediment samples were packaged, handled, and shipped in accordance with the respective SOPs outlined in the FSP. A copy of the chain of custody was submitted to the project chemist at the end of each field day.

All sediment core samples were analyzed for the following:

- Volatile organic compounds (VOCs) by SW-846 8260B
- Semivolatile organic compounds (SVOCs) by SW-846 8270
- Polychlorinated biphenyls (PCBs) by SW-846 8082
- TAL metals by SW-846 6010B
- Mercury by SW741A
- Sulfide
- Chloride

Composite Sample Collection for Treatability Testing

This section summarizes the sample collection methods for the individual areas where composite samples were collected and submitted for treatability testing. Table 1 summarizes the treatability sampling depths and native underlying clay depth observed for each sample location.

Eastern Channel

Following the sample processing for chemical and physical analysis of the Vibracore samples described above, equal-sized aliquots were homogenized from the eight proposed Vibracore locations to create one treatability composite sample (042211-CO-04-EASTCHAN). For sample location SC-H.19, a total of four cores were collected and homogenized (following chemical and physical analysis) to create one treatability composite sample (042111-CO-05-EASTCHAN). This sample is intended to be representative of the highest contaminant concentrations based on historical data. The underlying native clay was not included in the composite samples submitted for this area.

Northern Channel

Sediment was collected from all three proposed locations within the stream channel north of the lagoon. Equal sized aliquots from each of the three locations were homogenized to

create one treatability composite sample (042111-CO-01-NORTHCHAN). Sediment was collected with a hand-auger and a 6-inch-diameter casing used to isolate the sample and minimize slough and collapsing. The casing was first set to the top of sediment, and a hand auger was advanced within the casing to 1 foot bss. The hand auger was then retrieved, and sediment collected within this first 1-foot interval was placed in a trough for sample homogenization. The casing was then advanced to 2 feet below top of sediment, followed by hand augering and sample collection. This process was repeated until clay was observed. Clay was encountered in all three sample locations in this area. The clay was not included in the composite sample. Sample location coordinates were confirmed using a hand-held global positioning system (GPS) unit with submeter accuracy.

Lagoon

Sediment was collected from all six proposed locations within the lagoon area. Equal-sized aliquots from each of the six locations were homogenized to create one treatability composite sample (041911-CO-02-LAGOON). Sediment sample locations in the lagoon were accessed via a small john boat. Water depth was measured at each location by using a survey measuring pole. Sediment samples were collected using pole-mounted Eckman grab sampler. The first sample at each location was collected by positioning the pole-mounted Eckman grab sampler at the sediment surface, pushing down 6 inches bss, and triggering the grab to close. The pole-mounted Eckman sampler was then retrieved and sediment collected within this first 6-inch interval was placed in a trough for sample homogenization. This process was repeated in 6-inch intervals until clay was observed. Clay was encountered in all six samples locations in this area, but was not included in the composite sample. Sample location coordinates were confirmed using a hand-held GPS unit with submeter accuracy.

Eastern and Southern Berms

Sediment was collected from four out of the five proposed locations within the eastern and southern berms. Equal-sized aliquots from each of the four locations were homogenized to create one treatability composite sample (042011-CO-03-BERM). Sediment samples in the berms were collected using a two-person motorized auger with a 6-inch-diameter bit. Each sample location was initially advanced to 5.0 feet bgs using the motorized auger. While the borehole remained opened, a hand auger was advanced until clay was encountered. Sediment was collected at every 1-foot interval and was placed in a trough for sample homogenization. The underlying native clay was included in the composite sample for this area. Sample location coordinates were confirmed using a hand-held GPS unit with submeter accuracy.

Sample location CO-3b was abandoned after multiple sampling attempts and relocations. Due to a significant amount of rocks and lack in silt or sand content, the borehole was unable to remain open, and therefore the hand-auger could not be advanced for sample collection.

Investigation Results

This section summarizes the analytical results for the Vibracore samples collected during this investigation. Sediment analytical data specific to the NTCRA design requirements (PCBs, chromium, mercury, total polycyclic aromatic hydrocarbons [PAHs], and total

benzenes) for the 2011 April predesign samples are presented in Table 2. Sediment analytical data from previous sediment investigations within the NTCRA area are presented in Table 3. Analytical data for the previous investigations are summarized in Appendix A. Figures 2 through 7 depict the contaminant concentration distribution and clay depth for each area of investigation. In order to facilitate an understanding of all the data available, these figures include data collected during the 2010 and 2011 predesign investigations, as well as data from cores collected to support the RI (2005 through 2010). The RI (2005 through 2010) data are summarized in CH2M HILL's 2011 *Remedial Investigation Report, Universal Oil Products, Operable Unit 2, East Rutherford, New Jersey*, and the 2010 predesign data are summarized in CH2M HILL's 2010 *Pre-Design Sampling Event Observations, April 2010. Universal Oil Products Site – East Rutherford, NJ*. The following narrative summarizes the data collected during the 2011 predesign sampling event.

Eastern Channel Results

The analytical results for the vibracore sediment samples collected within the eastern channel are summarized in Table 2, and the distribution, along with native clay depth, is shown in Figure 2. Native clay was observed at depths ranging from 5.9 to 7.3 feet bss.

PCB concentrations ranged from 0.13 to 1,350 mg/kg, with the highest concentration observed in sample location SC-H.24. Contaminant concentrations within the native clay ranged from 0.08 to 0.15 mg/kg, except for location SC-H.24, where a PCB concentration of 5.5 mg/kg was measured.

Chromium concentrations ranged from 9.6 to 7,670 mg/kg, and mercury concentrations ranged from below laboratory reporting limits to 78.3 mg/kg. The highest chromium and mercury concentrations were observed at location SC-H.19. Clay samples were collected from locations H.19, H.20, and H.24 (Figure 2). Chromium concentrations in the native clay ranged from 20.5 to 47.5 mg/kg, and mercury concentrations ranged from below the laboratory reporting limit to 0.42 mg/kg.

Table 2 also presents the total PAH data and total benzene concentrations (sum of benzene and chlorinated benzenes). This table illustrates that sampling intervals where these parameters are elevated also contain elevated concentrations for PCBs, mercury, or chromium.

Eastern Meander Channel Results

The analytical results for the vibracore sediment samples collected within the eastern meander channel are summarized in Table 2. The concentrations and native clay depth are shown on Figure 3. Native clay was observed in this area at between 4.1 and 6.9 feet bss.

Total PCB concentrations ranged from below laboratory detection limits to 877 mg/kg at location SC-H.30. The PCB results also indicate that samples collected approximately 3.0 feet below sediment ranged from below the laboratory reporting limits to 4.78 mg/kg. Total PCB concentrations within the native clay layer were below laboratory reporting limits in four of the six clay samples. In the two locations where PCBs were detected, H.26 and H.28, the total PCB concentrations were 0.47 and 0.97 mg/kg, respectively.

Chromium concentrations ranged from 9.3 to 22,400 mg/kg at location SC-H.29. Mercury concentrations ranged from below laboratory reporting limits (approximately 0.04 mg/kg

reporting limit) to 228 mg/kg. The maximum mercury concentration was also observed at SC-H.29. Chromium concentrations in native clay ranged from 19.9 to 28.3 mg/kg. Mercury was detected in only one of the five clay samples. The clay sample collected from location H.28 contained 0.05 mg/kg mercury. The total PAHs and total benzene data are presented in Table 2, which helps to illustrate that elevated levels of these constituents co-occur with higher concentrations of PCBs, chromium, or mercury.

Southern Ditch Results

The analytical results for the vibracore sediment samples collected within the southern ditch are summarized in Table 2 and the distribution, along with native clay depth, is shown on Figure 4. Native clay was observed at depths from 4.2 to 6.3 feet bss. Total PCBs ranged from below the laboratory reporting limit to 0.47 mg/kg. Total PCBs were detected in only the uppermost sampling interval from each location. Samples of native clay did not contain concentrations of PCBs above laboratory reporting limits.

Chromium concentrations ranged from 9.6 to 1,400 mg/kg and the highest concentration was observed at location SC-H.21. Chromium concentrations in the native sediment ranged from 19.8 to 26.7 mg/kg. Mercury concentrations ranged from below laboratory reporting limits to 5 mg/kg, at location SC-H.22. Mercury was not detected in any of the clay samples analyzed. The total PAH and total benzene concentrations are presented in Table 2.

Northern Channel Results

Sediment samples were collected for treatability testing from the northern channel only during the April 2011 predesign sampling event. Table 3 and Figure 5 summarize the analytical data from previous sediment investigations, along with native clay depth.

Lagoon Results

Sediment samples were collected for treatability testing from the lagoon only during the April 2011 predesign sampling event. Table 3 and Figure 6 summarize these data and the observed clay depths.

Berm Results

Samples collected from the berm during the 2011 sampling event were submitted only for treatability testing. Table 3 and Figure 7 summarize the chemical data acquired during earlier investigations.

Treatability Testing Results

The analytical data from the treatability samples collected is presented in Appendix C of this tech memo.

Tables

TABLE 1

Sampling Locations and Clay Depths

2011 Predesign Sampling Event Summary, UOP Site, East Rutherford, NJ

Investigation	Area	Sample Location	Northing	Easting	Sampling Interval (feet bss)	Sediment Thickness/Clay Depth (feet bss)
Vibracore Locations	Eastern Channel	SC-H.19	727075.02	605939.28	0-0.76	6.42
					0.87-2.18	
					3.15-4.13	
					4.24-5.55	
					6.42-7.25	
	Southern Channel	SC-H.20	727003.32	605886.34	0-2.55	6.58
					2.79-4.18	
					4.18-5.57	
					5.57-6.50	
					6.58-7.08	
	Eastern Meander Channel	SC-H.24	726953.26	605603.25	0-3.37	5.92
					3.63-4.80	
					5.06-6.61	
					0-0.89	
					1.19-1.98	
	SC-H.21	726913.37	605652.96		2.18-3.37	5.25
					3.37-4.56	
					4.56-5.09	
					5.25-6.25	
					0-1.33	
	SC-H.22	726871.78	605713.57		1.67-3.83	4.17
					4.17-5.17	
					0-1.47	
					1.68-2.63	
					2.84-4.10	
	SC-H.23	726834.46	605784.74		4.10-5.25	5.25
					5.25-6.25	
					0-2.09	
					2.09-3.13	
					3.57-4.61	
	SC-H.25	726799.69	605832.62		4.61-5.83	6.25
					6.25-6.92	
					0-2.10	
					2.30-3.67	
					4.08-5.25	
	SC-H.26	726773.70	605901.19		0-1.48	4.08
					1.48-2.75	
					2.75-4.02	
					4.02-5.08	
					5.25-6.00	
	SC-H.27	726717.45	605983.07		0-3.47	4.33
					4.33-5.33	
					0-2.34	
					2.53-3.65	
					3.65-4.77	
	SC-H.28	726659.35	605938.09		4.77-5.33	5.5
					5.50-6.50	
					0-2.70	
					4.06-5.41	
					5.41-6.08	
	SC-H.29	726662.01	605855.5		6.08-6.67	6.08
					0-2.34	
					2.53-3.65	
					3.65-4.77	
					4.77-5.33	
	SC-H.30	726654.12	605880.61		5.50-6.50	5.5
					0-2.70	
					4.06-5.41	
					5.41-6.08	
					6.08-6.67	

TABLE 1

Sampling Locations and Clay Depths

2011 Predesign Sampling Event Summary, UOP Site, East Rutherford, NJ

Investigation	Area	Sample Location	Northing	Easting	Sampling Interval (feet bss)	Sediment Thickness/Clay Depth (feet bss)
Treatability Locations	Northern Channel	CO-1a	605673.75	727288.07	composite	3.5 - 4.0
		CO-1b	605723.45	727237.51		3.8 - 4.0
		CO-1c	605796.75	727184.62		3.0 - 3.5
	Lagoon	CO-2a	605604.69	727088.14	composite	no clay encountered
		CO-2b	605643.66	727115.97		7.2
		CO-2c	605676.13	727137.31		8
		CO-2d	605699.33	726993.50		8.3
		CO-2e	605735.51	727016.70		7.7
		CO-2f	605762.42	727037.11		no clay encountered
	Berm	CO-3b			Not sampled	
		CO-3a	605611.19	726979.58	composite	3.0 - 3.5
		CO-3c	605733.66	726900.72		4.0 - 4.5
		CO-3d	605781.90	726974.02		1.5 - 2.0
		CO-3e	605882.10	727071.44		3.5 - 4.5

Notes:

1. Sampling interval shown for vibracore sample locations have been corrected based on core penetrations and recoveries.

2. Coordinates provided in US State Plane NAD83 NJ2900

3. bss = below sediment surface

TABLE 2

2011 Predesign Sampling Event's Analytical Summary

2011 Predesign Sampling Event Summary, UOP Site, East Rutherford, NJ

Parameter				Total PCBs	Mercury	Chromium	Total PAHs	Total Benzenes
Area	Location ID	Field Sample ID	Sample Depth (feet)	Unit	mg/kg	mg/kg	mg/kg	mg/kg
Eastern Channel	SC-H.19	042111-SC-H19-000007	0-0.58	10.8	0.74	96.9	1.5188	0.0035
Eastern Channel	SC-H.19	042111-SC-H19-008020	0.67-1.67	804	28.4	2990	16.989	3244.36
Eastern Channel	SC-H.19	042111-SC-H19-020026	1.7-2.17	161	78.3	7670	8.8748	3.953
Eastern Channel	SC-H.19	042111-SC-H19-029038	2.41-3.17	4.78	0.31	356	1.0874	1.0666
Eastern Channel	SC-H.19	042111-SC-H19-039051	3.25-4.25	6.98	0.038	UJ	23.8 J	0.6208
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	3.25-4.25	16.1	0.044	J	38.8 J	0.4856
Eastern Channel	SC-H.19	042111-SC-H19-051059	4.25-4.92	12.9	0.033	U	12.6	0.8155
Eastern Channel	SC-H.19	042111-SC-H19-059069	4.92-5.75	0.129	0.034	U	21.6	ND
Eastern Channel	SC-H.20	042111-SC-H20-000022	0-1.83	805	39.9	7400	55.006	28.673
Eastern Channel	SC-H.20	042111-SC-H20-024036	2-3	2.65	0.23	83.8	0.1798	ND
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	2-3	1.2	0.16	67.3	0.0568	0.00214
Eastern Channel	SC-H.20	042111-SC-H20-036048	3-4	0.131	0.039	U	9.6	ND
Eastern Channel	SC-H.20	042111-SC-H20-048056	4-4.67	0.169	0.035	U	10.6	ND
Eastern Channel	SC-H.20	042111-SC-H20-057063	4.75-5.25	0.152	0.04	U	20.5	ND
Eastern Channel	SC-H.24	042211-SC-H24-000026	0-2.17	1350	35.7	7280 J	131.062	197.179
Eastern Channel	SC-H.24	042211-SC-H24-028037	2.33-3.08	28.886	0.54	198	0.6538	ND
Eastern Channel	SC-H.24	042211-SC-H24-039051	3.25-4.25	5.4965	0.42	47.5	0.4349	0.00088
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	0-2	0.534	8.1	473	28.4222	0.011
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	2-3	ND	7.7	137	14.1876	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	3.4-4.4	ND	0.39	16.1	ND	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4.4-5.5	ND	0.037	U	9.3	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4.4-5.5	ND	0.037	U	10.4	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	6-6.6	ND	0.04	U	23.8	ND
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	0-1.6	455	28.8	2760	35.364	216.56
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	1.8-2.9	4.78	0.74	172	0.3732	0.0763
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	3.3-4.3	0.466	0.042	U	28.3	ND
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	0-1.166	316	38.1	4420	96.51	4146.87
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	1.17-2.17	1.66	0.073	J	17.6	0.2141
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	1.17-2.17	1.08	0.28	J	19.6	1.3518
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	2.17-3.17	ND	0.037	U	11.9	0.0134
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	3.17-4 ft	ND	0.039	U	9.4	0.0011
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4.17-4.92	ND	0.041	U	26	ND
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	0-2.3	719	111	10700	96.226	457.868
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	2.9-3.9	0.967	0.054	22.7	ND	0.3155
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	0-2.08	96.4	228	22400	15.0205	67.8
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	2.25-3.25	0.441	0.72	108	ND	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	3.25-4.25	ND	0.058	UJ	19.6	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	3.25-4.25	ND	0.07	J	22	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4.25-4.75	ND	0.057	U	15.8	0.28
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4.92-5.92	ND	0.038	U	19.9	ND
Eastern Meander Channel	SC-H.30	040610SC-H.3-0002-D	0-2	426	50.8	2900	25.718	1327.32

TABLE 2

2011 Predesign Sampling Event's Analytical Summary

2011 Predesign Sampling Event Summary, UOP Site, East Rutherford, NJ

				Parameter	Total PCBs	Mercury	Chromium	Total PAHs	Total Benzenes
				Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	Location ID	Field Sample ID	Sample Depth (feet)						
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	0-2	877	82.8	8460	33.899	119.177	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	3-4	ND	0.038	U	12.2	ND	ND
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4-4.5	0.0713	0.039	U	12	ND	ND
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4.5-5	ND	0.036	U	20.8	ND	ND
Southern Channel	SC-H.21	042111-SC-H21-000009	0-0.75	0.365	1.1	210	0.7033	0.1055	
Southern Channel	SC-H.21	042111-SC-H21-012020	1-1.67	ND	0.041	U	41.3	ND	0.0195
Southern Channel	SC-H.21	042111-SC-H21-022034	1.83-2.83	ND	0.037	U	18.7	ND	0.00209
Southern Channel	SC-H.21	042111-SC-H21-034046	2.83-3.83	ND	0.039	U	1360	ND	0.00338
Southern Channel	SC-H.21	042111-SC-H21-034046-D	2.8-3.8	ND	0.035	U	1400	ND	0.00055
Southern Channel	SC-H.21	042111-SC-H21-046051	3.8-4.25	ND	0.038	U	1070	ND	0.0027
Southern Channel	SC-H.21	042111-SC-H21-053065	4.42-5.42	ND	0.037	U	26.7	ND	0.0514
Southern Channel	SC-H.22	042111-SC-H22-000008	0-0.67	0.229	5	350	1.2194	0.0353	
Southern Channel	SC-H.22	042111-SC-H22-010023	0.83-1.92	ND	0.073	15	J	ND	0.00079
Southern Channel	SC-H.22	042111-SC-H22-025037	2.08-3.08	ND	0.035	U	19.8	ND	ND
Southern Channel	SC-H.23	042011-SC-H23-000014	0-1.1	0.473	1.3	269	1.4699	0.6345	
Southern Channel	SC-H.23	042011-SC-H23-016025	1.3-2	ND	0.064		20.8	ND	0.0233
Southern Channel	SC-H.23	042011-SC-H23-027039	2.2-3.25	ND	0.038	U	9.6	ND	0.0049
Southern Channel	SC-H.23	042011-SC-H23-039050	3.25-4.1	ND	0.039	U	11.2	ND	0.0055
Southern Channel	SC-H.23	042011-SC-H23-050062	4.1-5.1	ND	0.039	U	22.4	ND	0.0046

Notes:

Sample depths shown are as measured in the field.

Highlighted concentrations exceed cleanup criteria.

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

TABLE 3

2006–2010 Sediment Investigations' Analytical Summary

2011 Predesign Sampling Event Summary, UOP Site, East Rutherford, NJ

Area	Location ID	Field Sample ID	Sample Depth (feet)					
Berm	B1	B1A	0-1	0.484	0.211	33.1	--	--
Berm	B1	B1B	1-2	0.197	0.058	42.5	--	--
Berm	B1	B1C	2-3	0.192	0.54	218	--	--
Berm	B1	B1D	3-4	45.2	10.6	976	--	--
Berm	B2	B2A	0-1	24.3	26	1070	--	--
Berm	B2	B2B	1-2	31.5	18.2	1320	--	--
Berm	B2	B2C	2-3	18.4	10.6	3680	--	--
Berm	B2	B2D	3-4	22.3	50.4	6757	--	--
Berm	SO-H.1	041310-SO-H.1-0204	2-4	10.7	6.8	1940	0.56	--
Berm	SO-H.1	041310-SO-H.1-0405	4-5	0.331	5.6	722	1.67	--
Berm	SO-H.3	041310-SO-H.3-0002	0-2	3.06	1.9	J	131	J
Berm	SO-H.3	041310-SO-H.3-0002-D	0-2	3.01	4.3	J	406	J
Berm	SO-H.3	041310-SO-H.3-0204	2-4	1.93	29.3		1230	1.63
Berm	SO-H.3	041310-SO-H.3-0405	4-5	0.138	3.3		378	ND
Berm	SO-H.4	041310-SO-H.4-0002	0-2	1.35	129		2130	2.14
Berm	SO-H.4	041310-SO-H.4-0204	2-4	ND	15.6		524	0.60
Berm	SO-H.4	041310-SO-H.4-0406	4-6	ND	6.7		174	ND
Berm	T0603	T0603A	0-1	81	31.4		3662	--
Berm	T0603	T0603B	1-2	226	18.5		12600	--
Berm	T0603	T0603C	2-3	4.25	0.522		21800	--
Berm	T0603	T0603D	3-4	0.788	0.908		10500	--
Eastern Channel	SC-4C.3	071006-SD-ARC-4C3-001	3-4	1.77	0.073		16.7	--
Eastern Channel	SC-4C.3	072106-SD-SGC-4C3-0001	0-0.5	184	597		2240	--
Eastern Channel	SC-4C.3	072106-SD-SGC-4C3-0002	0.5-1	5540	117		11000	--
Eastern Channel	SC-4C.3	072106-SD-SGC-4C3-0003	1-2	2170	129		9210	--
Eastern Channel	SC-4C.3	062510-SD-SC-4C3-001	0-0.5	77.2	3.2		628	7.61
Eastern Channel	SC-4C.3	062510-SD-SC-4C3-002	0.5-1	433	18.1		3260	16.71
Eastern Channel	SC-4C.3	062510-SD-SC-4C3-003	1-2	190	32.8		6920	26.279
Eastern Channel	SC-4C.3	062510-SD-SC-4C3-004	2-3.1	12.8	2.5		121	J
Eastern Channel	SC-4C.3	062510-SD-SC-4C3-005	3.4-4.5	3.73	0.038	UJ	25.2	0.12
Eastern Channel	SC-4C.3	062510-SD-SC-4C3-005-D	3.4-4.5	2.65	0.13	J	23.9	0.04
Eastern Channel	SC-4C.3	062510-SD-SC-4C3-006	4.5-5.4	0.0753	0.039	U	38.5	ND
Eastern Channel	SC-H.13	040710-SC-H.13-0002	0-2	5810	33		1430	260.983
Eastern Channel	SC-H.14	040710-SC-H.14-0002	0-2	1140	73.9	J	4870	71.674
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	0-2	3060	51.6	J	4850	211.474
Eastern Channel	SC-H.15	040710-SC-H.15-0002	0-2	1530	32.2		2990	42.21
Eastern Channel	SC-H.16	040710-SC-H.16-0002	0-2	519	7.3		1160	141.2
Eastern Channel	SC-H.17	040710-SC-H.17-0002	0-2	155	5.9		744	15.757
Eastern Channel	SC-H.17	040710-SC-H.17-0203	2-3	2.57	0.095		90.3	212.48
Eastern Channel	SC-H.18	040710-SC-H.18-0002	0-2	530	10.2		1500	6.1691
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	0-0.5	2.016	127		17800	5.78
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	0.5-1	0.487	13.7		2910	0.016
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	1-2	0.34	0.95		594	2.01
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	2.2-4	ND	0.044	U	12.2	0.008
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	2.2-4	ND	0.046	U	9.7	0.0426

TABLE 3

2006–2010 Sediment Investigations' Analytical Summary

2011 Predesign Sampling Event Summary, UOP Site, East Rutherford, NJ

Area	Location ID	Field Sample ID	Sample Depth (feet)						
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	4-4.8	ND	0.042	U	8.2	ND	ND
Eastern Meander Channel	SC-4C.2	071006-SD-ARC-4C2-001	2.1-3.1	0.927	1.6		413	--	--
Northern Channel	SC-H.3	040610SC-H.3-0002	0-2	803	51.4		2530	64.405	840.62
Eastern Meander Channel	SC-H.30	040610SC-H.3-0002-D	0-2	426	50.8		2900	25.718	1327.32
Lagoon	SC-H.11	041210-SC-H.11-0002	0-2	8.2	0.94		944	ND	0.023
Lagoon	SC-H.5	040810-SC-H.5-0002	0-2	3.255	2.7		609	0.24	0.1213
Lagoon	SC-H.6	040810-SC-H.6-0002	0-2	7.243	1.7		602	0.26	0.0635
Lagoon	SC-H.9	041210-SC-H.9-0002	0-2	12.64	5.5		814	0.12	0.2035
Northern Channel	SC-4C.9	080107-SD-ONC-4C9-0010	0-0.33	3.84	--		--	--	--
Northern Channel	SC-4C.9	080107-SD-ONC-4C9-0010-D	0-0.33	30.49	--		--	--	--
Northern Channel	SC-4C.9	080107-SD-ONC-4C9-1020	0.33-0.66	6.75	--		--	--	--
Northern Channel	SC-4C.9	080107-SD-ONC-4C9-2030	0.66-0.98	122	--		--	--	--
Northern Channel	SC-4C.9	080107-SD-ONC-4C9-3040	0.98-1.31	9.05	--		--	--	--
Northern Channel	SC-4C.9	080107-SD-ONC-4C9-4050	1.31-1.64	15.79	--		--	--	--
Northern Channel	SC-4C.9	080107-SD-ONC-4C9-5058	1.64-1.9	4.31	--		--	--	--
Northern Channel	SC-H.1	040610-SC-H.1-0002	0-2	497	8.6		850	26.656	412.68
Northern Channel	SC-H.2	040610SC-H.2-0002	0-2	123	7.7		959	12.68	8.656
Northern Channel	SC-4C.4	071006-SD-ARC-4C4-001	1.3-2.3	ND	23.8		3510	--	--
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0001	0-0.5	ND	643		49800	--	--
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0002	0.5-1	ND	9.5		1450	--	--
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003	1-2	ND	14.7	J	461	J	--
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003-FD	1-2	ND	1.7	J	225	J	--

Notes:

Sample depths shown are as measured in the field.

Highlighted concentrations exceed cleanup criteria.

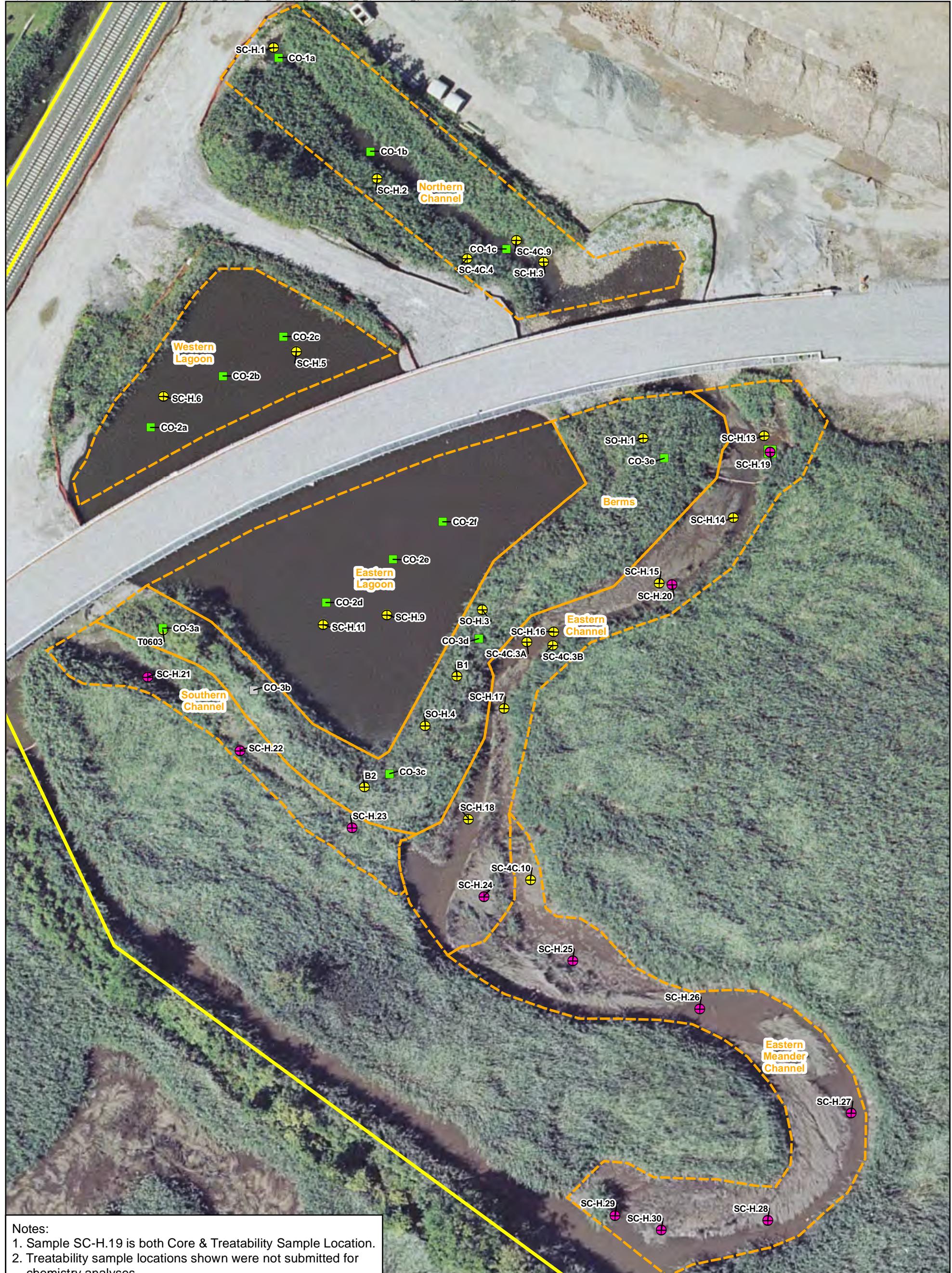
-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

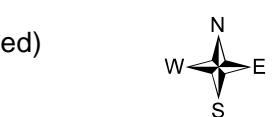
J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

Figures



Legend

- 2011 Pre-Design Event Treatability Sample Location
- 2011 Pre-Design Event Treatability Sample Location (Not able to be sampled)
- 2011 Pre-Design Event Core Sample Location
- ⊕ Previous Investigation Sediment Sample Location
- Future Remediation Areas
- UOP Site Boundary



0 25 50 100
Feet

Figure 1
Sediment Sampling Location Overview
April 2011 Pre-Design Sampling Event
Universal Oil Products (UOP)
East Rutherford, NJ

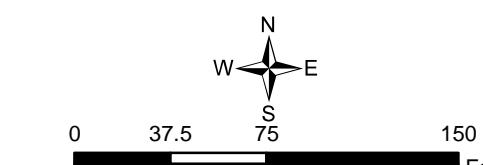
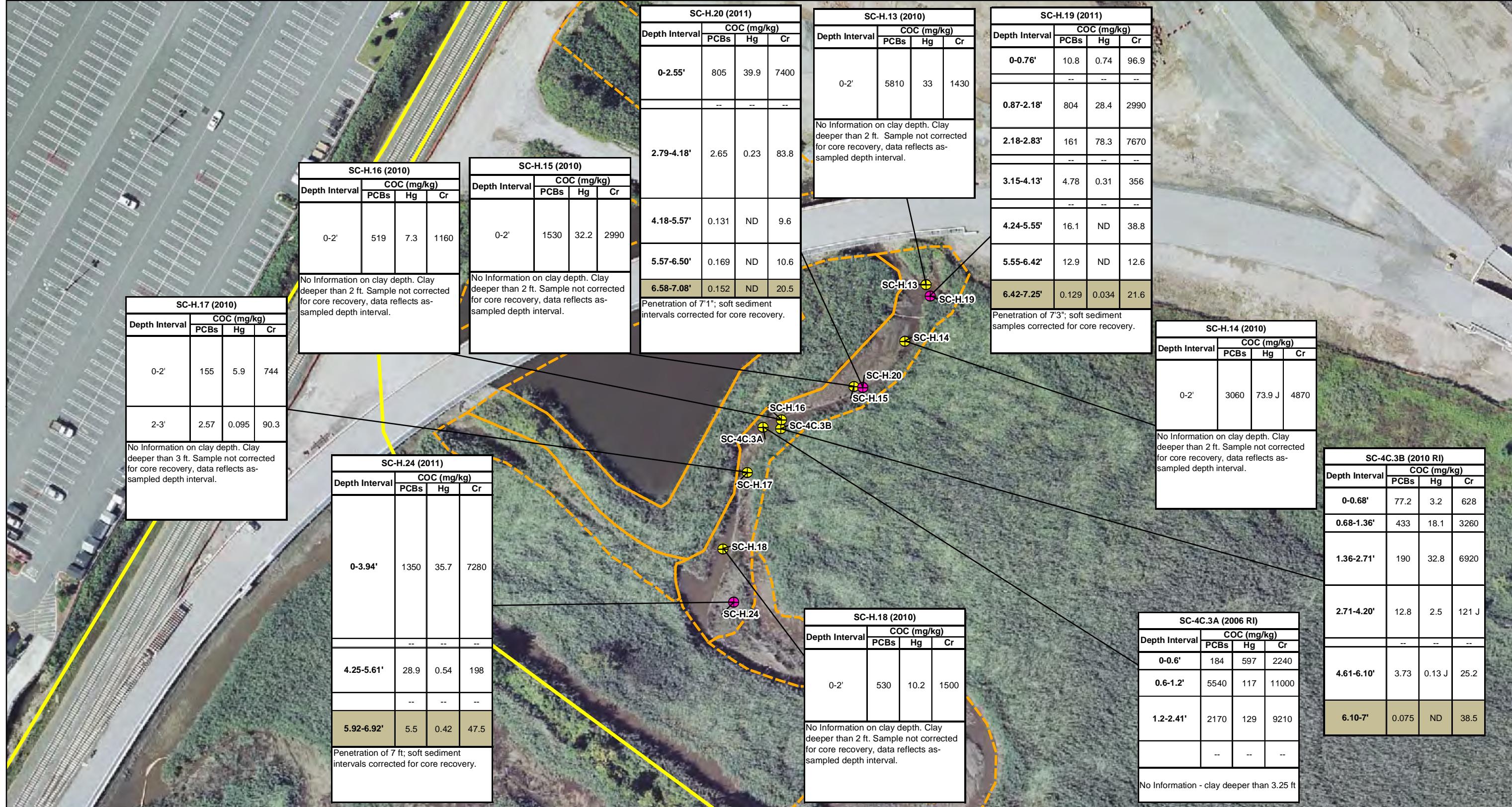
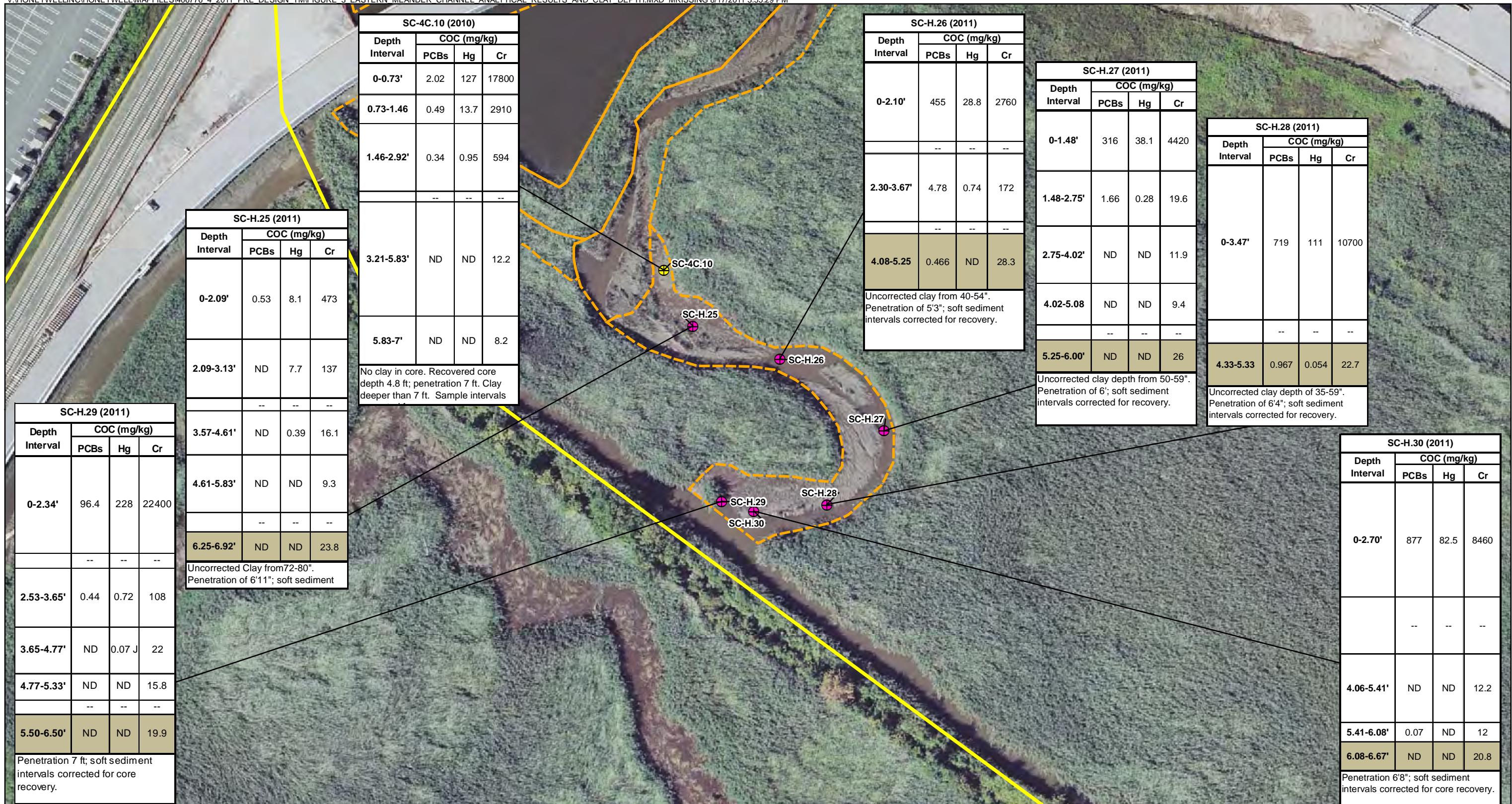


Figure 2
Eastern Channel
Analytical Results and Clay Depth
April 2011 Pre-Design Sampling Event
Universal Oil Products (UOP)
East Rutherford, NJ

**Legend**

- 2011 Pre-Design Event Core Sample Location
- ⊕ Previous Investigation Sediment Sample Location
- ◻ Future Remediation Areas
- UOP Site Boundary

Notes:

1. Depth intervals and clay depths shown have been corrected based on core penetrations and recoveries.
2. ND = non detect; COC = contaminant of concern; J = estimated value
3. "-" symbols are "transition zones – not sampled"
4. Shading indicates "native clay"

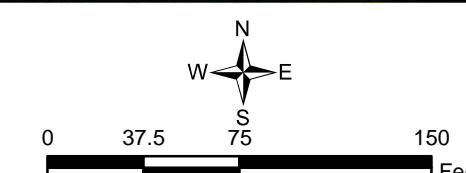
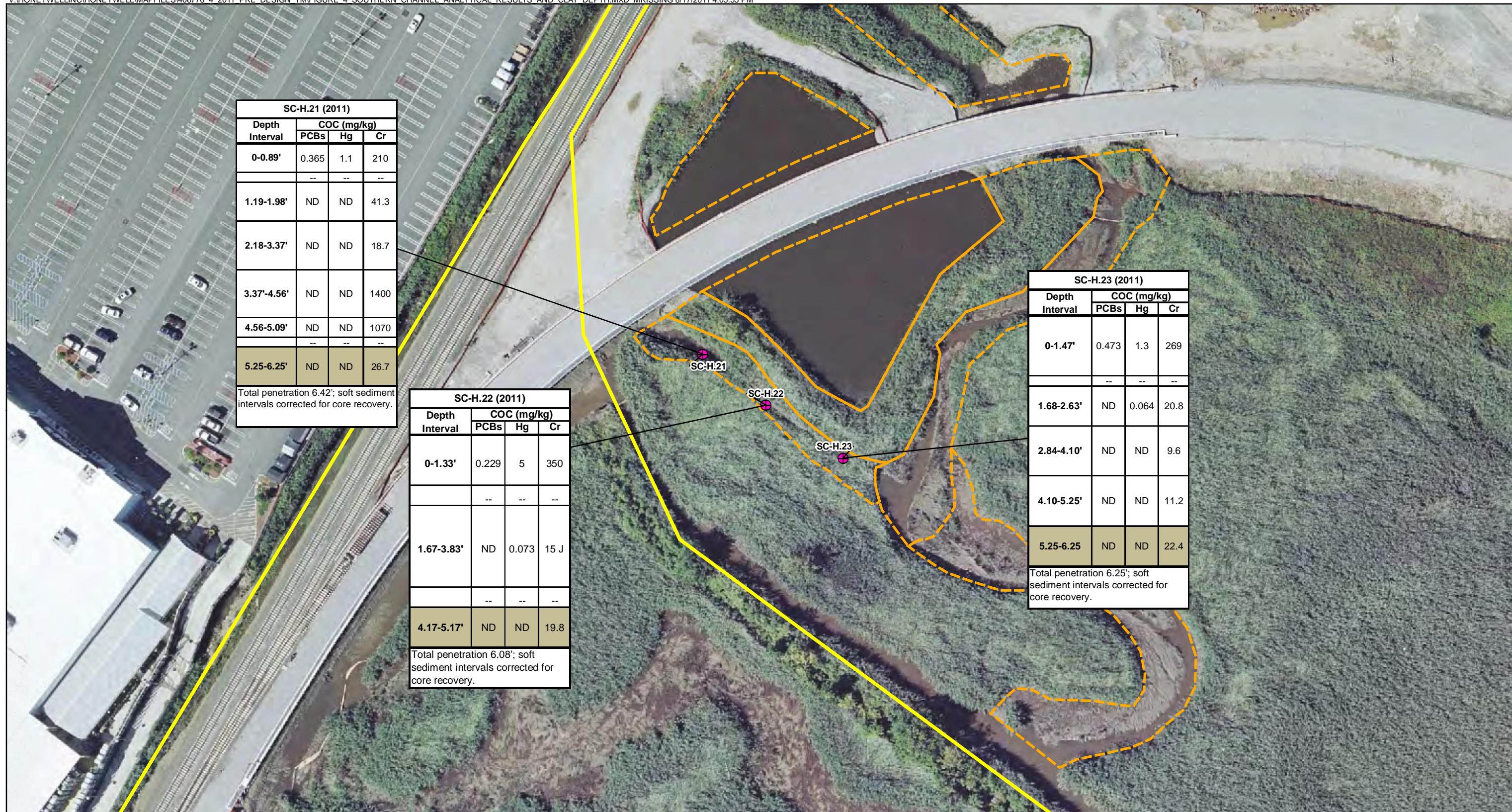


Figure 3
Eastern Meander Channel
Analytical Results and Clay Depth
April 2011 Pre-Design Sampling Event
Universal Oil Products (UOP)
East Rutherford, NJ



Legend

- 2011 Pre-Design Event Core Sample Location
- Future Remediation Areas
- UOP Site Boundary

Notes:

1. Depth intervals and clay depths shown have been corrected based on core penetrations and recoveries.
2. ND = non detect; COC = contaminant of concern; J = estimated value
3. "--" symbols are "transition zones – not sampled"
4. Shading indicates "native clay"

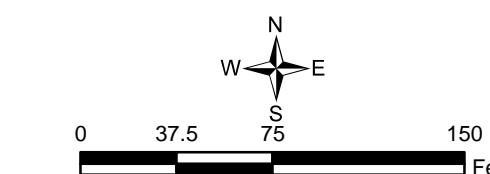
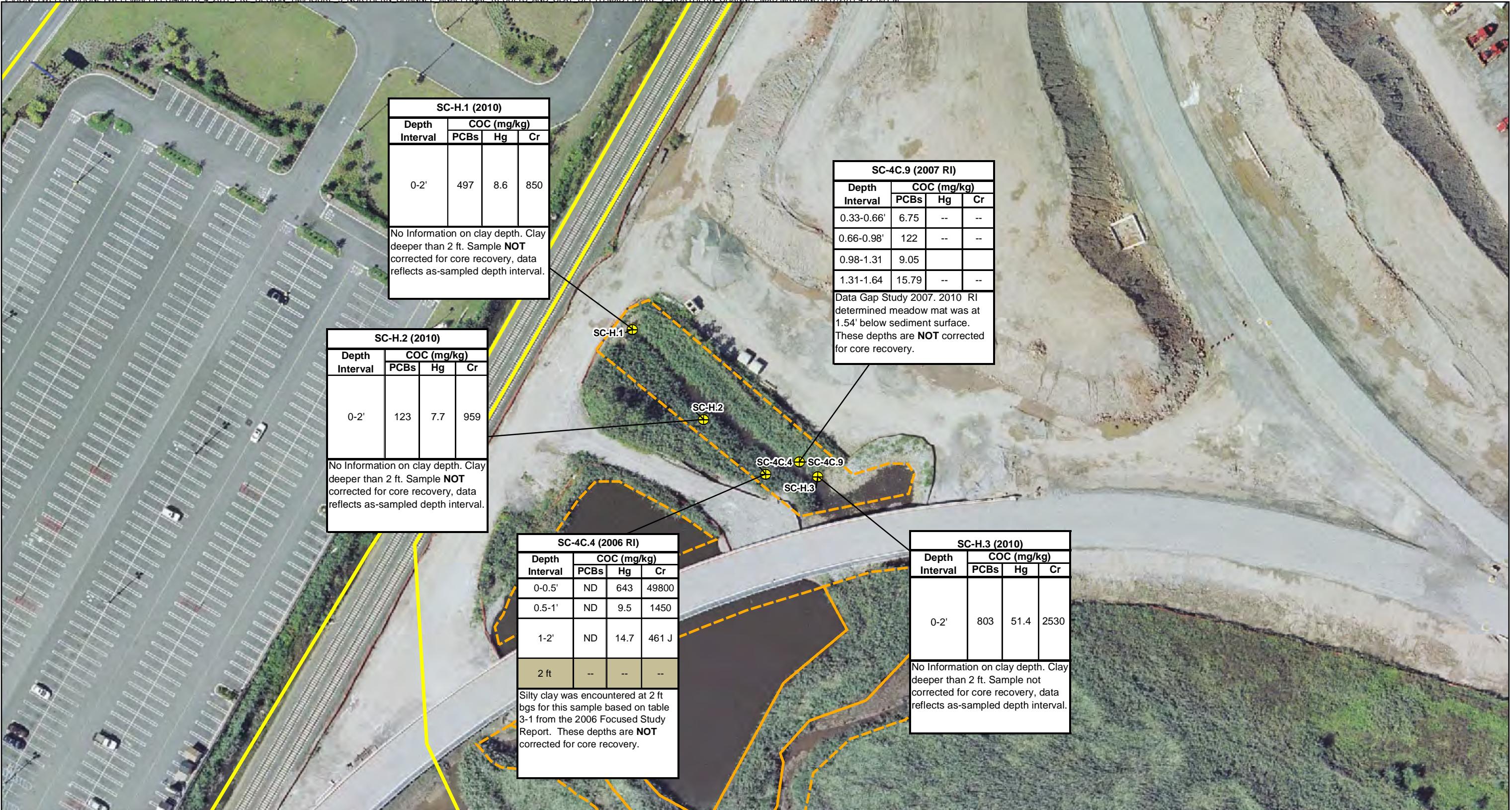


Figure 4
Southern Channel
Analytical Results and Clay Depth
April 2011 Pre-Design Sampling Event
Universal Oil Products (UOP)
East Rutherford, NJ



Legend

- ⊕ Previous Investigation Sediment Sample Location
- ◻ Future Remediation Areas
- UOP Site Boundary

Notes:

1. Depth intervals and clay depths shown have been corrected based on core penetrations and recoveries.
2. ND = non detect; COC = contaminant of concern; J = estimated value
3. "-" symbols are "transition zones – not sampled"
4. Shading indicates "native clay"

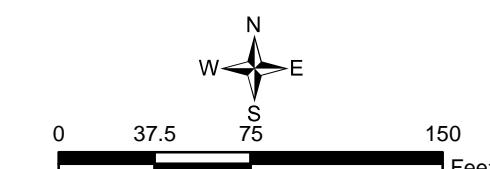


Figure 5
Northern Channel
Analytical Results and Clay Depth
2006-2010 Sediment Investigations
Universal Oil Products (UOP)
East Rutherford, NJ

**Legend**

- ⊕ Previous Investigation Sediment Sample Location
- ▣ Future Remediation Areas
- UOP Site Boundary

Note:

1. COC = contaminant of concern

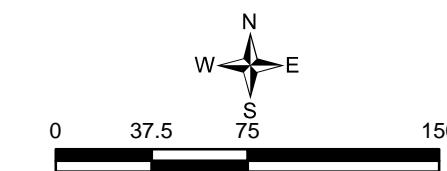
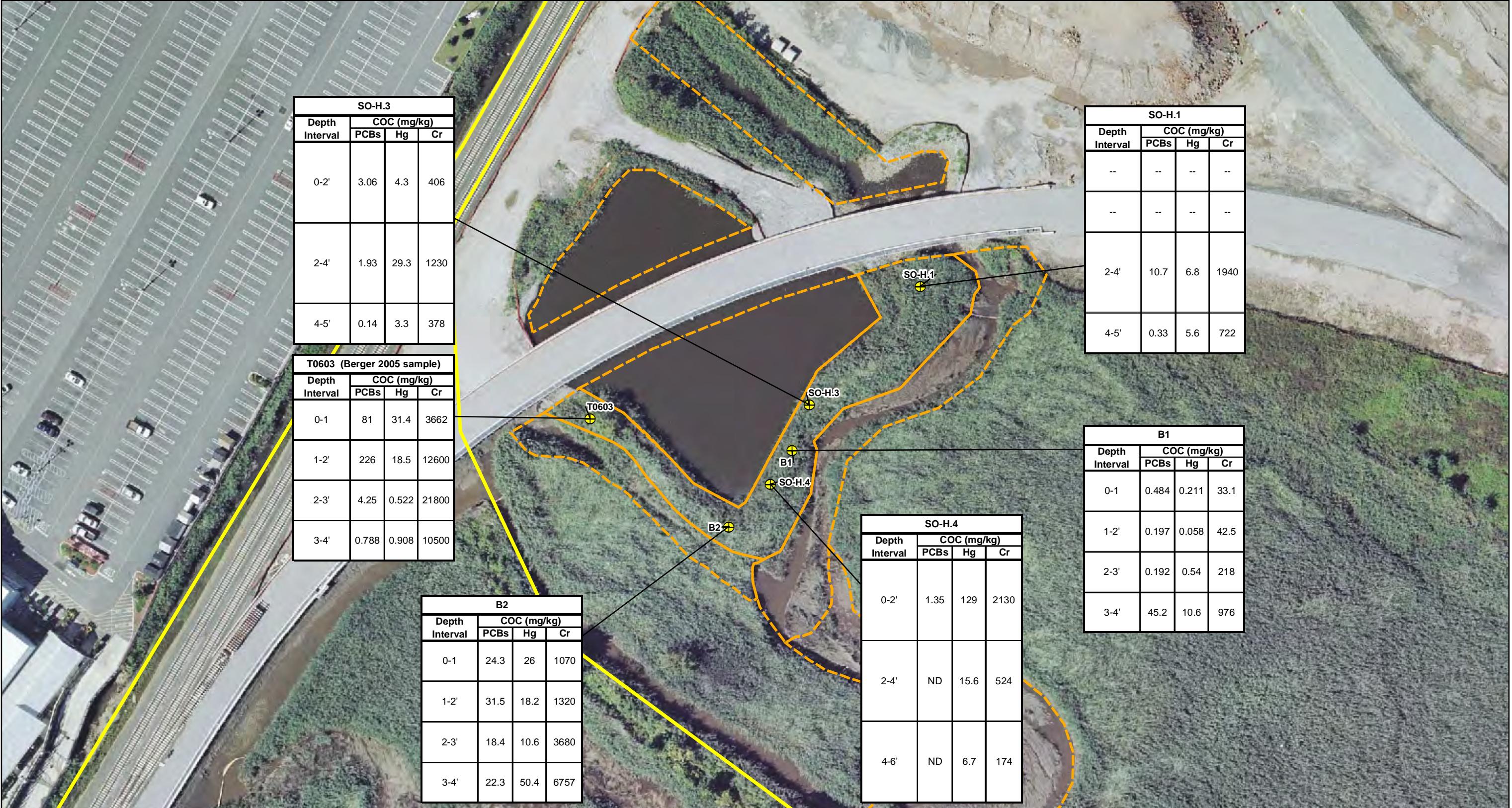


Figure 6
Lagoon
Analytical Results and Clay Depths
2006-2010 Sediment Investigations
Universal Oil Products (UOP)
East Rutherford, NJ



Note:

1. ND = non detect; COC = contaminant of concern
2. “-“ symbols are “transition zone – not sampled”

Figure 7
Berms
Analytical Results and Clay Depths
2006-2010 Sediment Investigations
Universal Oil Products (UOP)
East Rutherford, NJ

Appendix A
Analytical Data Package (2006-2011)

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - PCBs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	PCB Concentration (ug/kg)								Total PCBs				
									AROCLO-1016	AROCLO-1221	AROCLO-1232	AROCLO-1242	AROCLO-1248	AROCLO-1254	AROCLO-1260	AROCLO-1262	AROCLO-1268				
Berm	B1	B1A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	484	--			
Berm	B1	B1B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	197	--			
Berm	B1	B1C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	192	--			
Berm	B1	B1D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	45200	--			
Berm	B2	B2A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	24300	--			
Berm	B2	B2B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	31500	--			
Berm	B2	B2C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	18400	--			
Berm	B2	B2D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	ug/kg	0	U	0	U	0	U	0	U	22300	--			
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	ug/kg	5100	U	5100	U	5100	U	1E+06	U	5100	U			
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	ug/kg	4200	U	4200	U	4200	U	338000	U	4200	U			
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	ug/kg	44	U	44	U	44	U	784000	J	44	U			
Northern Channel	S01	S01A	12/7/2005	0-2 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	679000	D	0	U			
Northern Channel	S01	S01B	12/7/2005	1-2 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	1E+06	D	0	U			
Northern Channel	S01	S01C	12/7/2005	2-3 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	538000	D	0	U			
Northern Channel	S02	Dup3A	12/7/2005	0-2 FT	SOIL	FD	SED	ug/kg	0	U	0	U	0	U	47300	D	0	U			
Northern Channel	S02	Dup3B	12/7/2005	1-2 FT	SOIL	FD	SED	ug/kg	0	U	0	U	0	U	139000	D	0	U			
Northern Channel	S02	Dup3C	12/7/2005	2-3 FT	SOIL	FD	SED	ug/kg	0	U	0	U	0	U	91100	D	0	U			
Northern Channel	S02	Dup3D	12/7/2005	3-4 FT	SOIL	FD	SED	ug/kg	0	U	0	U	0	U	333000	D	0	U			
Northern Channel	S02	S02A	12/7/2005	0-2 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	2E+06	D	0	U			
Northern Channel	S02	S02B	12/7/2005	1-2 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	834000	D	0	U			
Northern Channel	S02	S02C	12/7/2005	2-3 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	79200	D	0	U			
Northern Channel	S02	S02D	12/7/2005	3-4 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	20800	D	0	U			
Northern Channel	S03	S03A	12/7/2005	0-2 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	7550	D	0	U			
Northern Channel	S03	S03B	12/7/2005	1-2 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	66600	D	0	U			
Northern Channel	S03	S03C	12/7/2005	2-3 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	91700	D	0	U			
Northern Channel	S03	S03D	12/7/2005	3-4 FT	SOIL	REG	SED	ug/kg	0	U	0	U	0	U	754000	D	0	U			
Eastern Meander Channel	SC-4C.1	071006-SD-ARC-4C1-001	7/10/2006	1.4-2.4 Ft	SOLID	REG	SED	ug/kg	41	U	41	U	41	U	4180	41	U	41	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	ug/kg	87	U	87	U	87	U	1690	326	87	U	87	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	ug/kg	76	U	76	U	76	U	487	76	U	76	U	76	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	ug/kg	50	U	50	U	50	U	340	50	U	50	U	50	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	ug/kg	40	U	40	U	40	U	40	40	U	40	U	40	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	ug/kg	41	U	41	U	41	U	41	41	U	41	U	41	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	ug/kg	39	U	39	U	39	U	39	39	U	39	U	39	U
Eastern Meander Channel	SC-4C.2	071006-SD-ARC-4C2-001	7/10/2006	2.1-3.1 Ft	SOLID	REG	SED	ug/kg	160	U	160	U	160	U	927	160	U	160	U	--	--
Eastern Channel	SC-4C.3A	071006-SD-ARC-4C3-001	7/10/2006	3-4 Ft	SOLID	REG	SED	ug/kg	180	U	180	U	180	U	1770	180	U	180	U	--	--
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	ug/kg	110	U	110	U	110	U	184000	110	U	110	U	--	--
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	ug/kg	9300	U	9300	U	9300	U	6E+06	9300	U	9300	U	--	--
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0003	7/21/2006	1-2 ft	SOLID	REG	SED	ug/kg	12000	U	12000	U	12000	U	2E+06	12000	U	12000	U	--	--
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	ug/kg	40	U	40	U	40	U	77200	40	U	40	U	40	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	ug/kg	48	U	48	U	48	U	433000	48	U	48	U	48	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	ug/kg	71	U	71	U	71	U	190000	71	U	71	U	71	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	ug/kg	62	U	62	U	62	U	12800	62	U	62	U	62	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	ug/kg	35												

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - PCBs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	AROCLO-1016	AROCLO-1221	AROCLO-1232	AROCLO-1242	AROCLO-1248	AROCLO-1254	AROCLO-1260	AROCLO-1262	AROCLO-1268	Total PCBs
									ug/kg	ug/kg								
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	4900 U	4900 U	4900 U	4900 U	6E+06 J	4900 U	4900 U	4900 U	4900 U	6E+06	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	5000 U	5000 U	5000 U	5000 U	1E+06 J	5000 U	5000 U	5000 U	5000 U	1E+06	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	5600 U	5600 U	5600 U	5600 U	3E+06 J	5600 U	5600 U	5600 U	5600 U	3E+06	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	4300 U	4300 U	4300 U	4300 U	2E+06	4300 U	4300 U	4300 U	4300 U	2E+06	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 ft	SOIL	REG	SED	4200 U	4200 U	4200 U	4200 U	5190000	4200 U	4200 U	4200 U	4200 U	519000	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	57 U	57 U	57 U	57 U	155000	57 U	57 U	57 U	57 U	155000	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 ft	SOIL	REG	SED	44 U	44 U	44 U	44 U	2570	44 U	44 U	44 U	44 U	2570	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	47 U	47 U	47 U	47 U	530000	J	47 U	47 U	47 U	47 U	530000
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	34 U	34 U	34 U	34 U	10800	34 U	34 U	34 U	34 U	10800	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	50 U	50 U	50 U	50 U	804000	50 U	50 U	50 U	50 U	804000	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	450 U	450 U	450 U	450 U	161000	450 U	450 U	450 U	450 U	161000	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	49 U	49 U	49 U	49 U	4780	49 U	49 U	49 U	49 U	4780	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	33 U	33 U	33 U	33 U	6980	J	33 U	33 U	33 U	33 U	6980
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	34 U	34 U	34 U	34 U	16100	J	34 U	34 U	34 U	34 U	16100
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	32 U	32 U	32 U	32 U	12900	32 U	32 U	32 U	32 U	12900	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	34 U	34 U	34 U	34 U	129	34 U	34 U	34 U	34 U	129	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	39 U	39 U	39 U	39 U	123000	39 U	39 U	39 U	39 U	123000	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	84 U	84 U	84 U	84 U	805000	84 U	84 U	84 U	84 U	805000	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	35 U	35 U	35 U	35 U	2650	J	35 U	35 U	35 U	35 U	2650
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	34 U	34 U	34 U	34 U	1200	J	34 U	34 U	34 U	34 U	1200
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	35 U	35 U	35 U	35 U	131	35 U	35 U	35 U	35 U	131	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	34 U	34 U	34 U	34 U	169	34 U	34 U	34 U	34 U	169	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	35 U	35 U	35 U	35 U	152	35 U	35 U	35 U	35 U	152	
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	54 U	54 U	54 U	54 U	365	54 U	54 U	54 U	54 U	365	
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	38 U	38 U	38 U	38 U	38	U	38 U	38 U	38 U	ND	
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	35 U	35 U	35 U	35 U	35	U	35 U	35 U	35 U	ND	
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	34 U	34 U	34 U	34 U	34	U	34 U	34 U	34 U	ND	
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	34 U	34 U	34 U	34 U	34	U	34 U	34 U	34 U	ND	
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED	33 U	33 U	33 U	33 U	33	U	33 U	33 U	33 U	ND	
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED	35 U	35 U	35 U	35 U	35	U	35 U	35 U	35 U	ND	
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED	110 U	110 U	110 U	110 U	229	110 U	110 U	110 U	110 U	229	
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED	34 U	34 U	34 U	34 U	34	U	34 U	34 U	34 U	ND	
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED	33 U	33 U	33 U	33 U	33	U	33 U	33 U	33 U	ND	
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED	88 U	88 U	88 U	88 U	473	88 U	88 U	88 U	88 U	473	
Southern Channel	SC-H.23	042011-SC-H23-016025	4/20/2011	1.3-2 ft	SOLID	REG	SED	36 U	36 U	36 U	36 U	36	U	36 U	36 U	36 U	ND	
Southern Channel	SC-H.23	042011-SC-H23-027039	4/20/2011	2.2-3.25 ft	SOLID	REG	SED	34 U	34 U	34 U	34 U	34	U	34 U	34 U	34 U	ND	
Southern Channel	SC-H.23	042011-SC-H23-039050	4/20/2011	3.25-4.1 ft	SOLID	REG	SED	35 U	35 U	35 U	35 U	35	U	35 U	35 U	35 U	ND	
Southern Channel	SC-H.23	042011-SC-H23-050062	4/20/2011	4.1-5.1 ft	SOLID	REG	SED	36 U	36 U	36 U	36 U	36	U	36 U	36 U	36 U	ND	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-0.21666 ft	SOLID	REG	SED	240 U	240 U	240 U</								

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - PCBs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	PCBs												AROCLO-1016			AROCLO-1221			AROCLO-1232			AROCLO-1242			AROCLO-1248			AROCLO-1254			AROCLO-1260			AROCLO-1262			Total PCBs
									ug/kg			ug/kg			ug/kg			ug/kg			ug/kg			ug/kg			ug/kg			ug/kg			ug/kg			Total PCBs									
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	ND															
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	36	U	36	U	36	U	36	U	36	U	36	U	36	U	36	U	36	U	36	U	36	U	ND															
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	120	U	120	U	120	U	120	U	719000		120	U	120	U	120	U	120	U	120	U	120	U	719000															
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	37	U	37	U	37	U	37	U	967		37	U	37	U	37	U	37	U	37	U	967																	
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	81	U	81	U	81	U	81	U	96400		81	U	81	U	81	U	81	U	81	U	96400																	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	49	U	49	U	49	U	49	U	441		49	U	49	U	49	U	49	U	49	U	441																	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	51	U	51	U	51	U	51	U	51	U	51	U	51	U	51	U	51	U	51	U	ND																	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	ND																	
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	53	U	53	U	53	U	53	U	53	U	53	U	53	U	53	U	53	U	53	U	ND																	
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	ND																	
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	51	U	51	U	51	U	51	U	803000	J	51	U	51	U	51	U	51	U	51	U	803000																	
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	58	U	58	U	58	U	58	U	426000	J	58	U	58	U	58	U	58	U	58	U	426000																	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	110	U	110	U	110	U	110	U	877000		110	U	110	U	110	U	110	U	110	U	877000																	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	37	U	37	U	37	U	37	U	37	U	37	U	37	U	37	U	37	U	37	U	ND																	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	36	U	36	U	36	U	36	U	71.3		36	U	36	U	36	U	36	U	36	U	71.3																	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	35	U	ND																	
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	98	U	98	U	98	U	2480		98	U	775		98	U	98	U	98	U	98	U	3255																	
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	64	U	64	U	64	U	6280		64	U	963		64	U	64	U	64	U	64	U	7243																	
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	130	U	130	U	130	U	130	U	11500		1140		130	U	130	U	130	U	130	U	130	U	12640															
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	89	U	89	U	89	U	89	U	10700		89	U	89	U	89	U	89	U	89	U	89	U	10700															
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	70	U	70	U	70	U	70	U	331		70	U	70	U	70	U	70	U	70	U	70	U	331															
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED	37	U	37	U	37	U	37	U	3060	J	37	U	37	U	37	U	37	U	37	U	3060																	
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	39	U	39	U	39	U	39	U	3010		39	U	39	U	39	U	39	U	39	U	3010																	
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	72	U	72	U	72	U	72	U	1930		72	U	72	U	72	U	72	U	72	U	1930																	
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	97	U	97	U	97	U	97	U	138		97	U	97	U	97	U	97	U	97	U	138																	
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	64	U	64	U	64	U	64	U	1350		64	U	64	U	64	U	64	U	64	U	1350																	
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	77	U	77	U	77	U	77	U	77	U	77	U	77	U	77	U	77	U	77	U	ND																	
Berm	SO-H.4	041																																											

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter					
									Units	mg/kg	mg/kg	mg/kg	mg/kg
Berm	B1	B1A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	ALUMINUM	--	--	--	--	--
Berm	B1	B1B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	ANTIMONY	--	--	--	--	--
Berm	B1	B1C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	ARSENIC	--	--	--	--	--
Berm	B1	B1D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	BARIUM	--	--	--	--	--
Berm	B2	B2A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	BERYLLIUM	--	--	--	--	--
Berm	B2	B2B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	--	--	--	--	--	--
Berm	B2	B2C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	--	--	--	--	--	--
Berm	B2	B2D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	--	--	--	--	--	--
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	ALUMINUM	10500	12.7	53.9	948	3.6
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	ANTIMONY	5270	2.8	U	11.5	225
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	ARSENIC	6910	3.8	29	U	420
Northern Channel	S01	S01A	12/7/2005	0-2 FT	SOIL	REG	SED	BARIUM	--	--	--	--	--
Northern Channel	S01	S01B	12/7/2005	1-2 FT	SOIL	REG	SED	BERYLLIUM	--	--	--	--	--
Northern Channel	S01	S01C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S02	Dup3A	12/7/2005	0-2 FT	SOIL	FD	SED	--	--	--	--	--	--
Northern Channel	S02	Dup3B	12/7/2005	1-2 FT	SOIL	FD	SED	--	--	--	--	--	--
Northern Channel	S02	Dup3C	12/7/2005	2-3 FT	SOIL	FD	SED	--	--	--	--	--	--
Northern Channel	S02	Dup3D	12/7/2005	3-4 FT	SOIL	FD	SED	--	--	--	--	--	--
Northern Channel	S02	S02A	12/7/2005	0-2 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S02	S02B	12/7/2005	1-2 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S02	S02C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S02	S02D	12/7/2005	3-4 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S03	S03A	12/7/2005	0-2 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S03	S03B	12/7/2005	1-2 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S03	S03C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	--	--	--
Northern Channel	S03	S03D	12/7/2005	3-4 FT	SOIL	REG	SED	--	--	--	--	--	--
Eastern Meander Channel	SC-4C.1	071006-SD-ARC-4C1-001	7/10/2006	1.4-2.4 Ft	SOLID	REG	SED	--	--	--	--	--	--
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	ALUMINUM	17100	48	55.2	1100	0.6
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	ANTIMONY	19300	11.2	39.1	220	0.81
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	ARSENIC	9410	2	U	8.4	77.5
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	BARIUM	5240	2	U	2.8	24.6
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	BERYLLIUM	4890	2.1	U	2.5	22.3
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	--	4050	2.1	U	2.4	23.1
Eastern Meander Channel	SC-4C.2	071006-SD-ARC-4C2-001	7/10/2006	2.1-3.1 Ft	SOLID	REG	SED	--	--	--	--	--	--
Eastern Channel	SC-4C.3A	071006-SD-ARC-4C3-001	7/10/2006	3-4 Ft	SOLID	REG	SED	--	--	--	--	--	--
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	ALUMINUM	42200	7.1	130	848	4.8
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	ANTIMONY	37100	14.7	248	2390	7.1
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0003	7/21/2006	1-2 ft	SOLID	REG	SED	ARSENIC	49100	8.4	436	2530	9
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	BARIUM	5750	2.7	U	8.5	101
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	BERYLLIUM	9000	16	U	32.4	372
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	--	11200	4.8	U	28.2	816
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	--	16800	3.1	UJ	8.2	191
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	ALUMINUM	3570	2.4	U	3	24
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	ANTIMONY	3440	2.4	U	3	24
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	ARSENIC	14000	2.6	U	2.9	78.5
Northern Channel	SC-4C.4	071006-SD-ARC-4C4-001	7/10/2006	1.3-2.3 Ft	SOLID	REG	SED	--	--	--	--	--	--
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	ALUMINUM	28000	41	U	82.7	1200
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	ANTIMONY	25100	9	U	47.3	257
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003	7/21/2006	1-2 ft	SOLID	REG	SED	ARSENIC	8120	J	10	U	25.6
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003-FD	7/21/2006	1-2 ft	SOLID	FD	SED	BARIUM	16500	J	8.7	U	17.5
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	BERYLLIUM	7120	J	3.1	UJ	24.9
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	--	10400	2	U	9.1	118
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	--	7520	5	J	47	1960
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	ALUMINUM	7670	J	13.8	56.1	437
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	ANTIMONY	4800	J	14.7	44.1	621
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	ARSENIC	--	2	U	2	U

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	Units				
									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	ALUMINUM	5050	9	53.5	445	2.8
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	ANTIMONY	5580	2.8	U	28	U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	ARSENIC	9310	3.8	U	38	U
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	BARIUM	7550	2.9	U	3.6	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BERYLLIUM	6860	3.3	U	31	U
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	ALUMINUM	3160	2.2	U	4.4	48.6
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.6666 ft	SOLID	REG	SED	ANTIMONY	11600	36.4	J	203	762
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	ARSENIC	8350	106		65.8	458
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	BARIUM	13500	4.3		13.8	126
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	BERYLLIUM	5470	2.2	U	6.4	38.9
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	ALUMINUM	4790	2.3	U	6.8	28.3
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	ANTIMONY	4410	2.1	U	3.4	21
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	ARSENIC	15100	2.4	U	8.2	94.3
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	BARIUM	9130	2.8	U	7.1	214
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	BERYLLIUM	16300	56	U	43.8	1350
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	ALUMINUM	4990	2.3	U	3.4	54
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	ANTIMONY	5070	2.3	U	4	67.8
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	ARSENIC	4150	2.3	U	2.4	28.9
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	BARIUM	4590	2.3	U	2.6	23
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	BERYLLIUM	13000	2.4	U	7	48.6
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	ALUMINUM	14800	3.6	U	4.4	193
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	ANTIMONY	11300	2.6	U	3.7	84.5
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	ARSENIC	6790	2.3	U	2.3	38.1
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	BARIUM	3730	2.3	U	2.3	23
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	BERYLLIUM	3850	2.2	U	2.2	22
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED	ALUMINUM	3680	2.2	U	2.2	22
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED	ANTIMONY	15200	2.5	U	6.9	95.4
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED	ARSENIC	9310	7.1	U	13.2	96.7
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED	BARIUM	9440	2.3	UJ	2.9	89.6
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED	BERYLLIUM	9690	2.2	U	4.7	49.9
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED	ALUMINUM	10000	6	U	10.1	100
Southern Channel	SC-H.23	042011-SC-H23-016025	4/20/2011	1.3-2 ft	SOLID	REG	SED	ANTIMONY	16000	2.4	U	2.4	95.5
Southern Channel	SC-H.23	042011-SC-H23-027039	4/20/2011	2.2-3.25 ft	SOLID	REG	SED	ARSENIC	4860	2.3	U	2.3	26.3
Southern Channel	SC-H.23	042011-SC-H23-039050	4/20/2011	3.25-4.1 ft	SOLID	REG	SED	BARIUM	4130	2.4	U	2.6	24
Southern Channel	SC-H.23	042011-SC-H23-050062	4/20/2011	4.1-5.1 ft	SOLID	REG	SED	BERYLLIUM	16100	2.5	U	4	55.6
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	ALUMINUM	17300	65.6	J	74.8	1960
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	ANTIMONY	6250	2.8	U	4.7	116
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	ARSENIC	16400	2.6	U	4.9	110
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	BARIUM	15100	7.3		32.4	218
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	BERYLLIUM	14400	6.7	U	47.5	197
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	ALUMINUM	9420	2.9	U	5.4	51.1
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	ANTIMONY	4260	2.3	U	2.3	23
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	ARSENIC	4780	2.4	U	2.4	24
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	BARIUM	16500	2.5	U	3.9	76.5
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	BERYLLIUM	9200	51.1		44.2	578
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	ALUMINUM	11500	3.5	U	7.3	95.5
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	ANTIMONY	14200	2.5	U	6.3	81.9
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	ARSENIC	13400	38.9		22.1	968
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	BARIUM	5570	2.4	U	2.4	30
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	BERYLLIUM	5770	2.4	U	2.4	61.4
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED						

Appendix A
Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	
								Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	17100	24.4	54.4	1550	0.8		
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	11300	3.5	U	5.4	75.7	0.52	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	9380	3.4	U	5	61.1	0.43	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	10700	3.4	U	4.9	73	0.5	
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	8920	3.5	U	4.6	130	0.57	
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	12600	2.4	U	3.2	69.4	0.59	
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	7840	3.5	U	85.2	J	502	
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	9750	4.2	U	45.8	J	443	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	32300	92.6		172		1350	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	5970	2.5	U	2.5	U	25	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	3970	2.6	U	2.9		26	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	16300	2.4	U	5.5		86.7	
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	9990	2.2	U	7.1		84.2	
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	6930	J	--	5.9		55.8	
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	14600		2.2	U	10.1		120
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	23400		2	U	58.3		373
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	14100		2.3	U	29.3		106
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED	1640	J	2.7	U	3.3		27
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	2360	J	2.6	U	4.9		33.3
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	14200		2		34.3		158
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	21500		1.9	U	24.9		90.9
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	17600		2	U	35.2		233
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	16300		2	U	37.4		110
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	17200		2.1	U	18.5		78.6
Berm	T0603	T0603A	12/5/2005	0-1 FT	SOIL	REG	S-SOIL	--	--	--	--	--	--	
Berm	T0603	T0603B	12/5/2005	1-2 FT	SOIL	REG	S-SOIL	--	--	--	--	--	--	
Berm	T0603	T0603C	12/5/2005	2-3 FT	SOIL	REG	S-SOIL	--	--	--	--	--	--	
Berm	T0603	T0603D	12/5/2005	3-4 FT	SOIL	REG	S-SOIL	--	--	--	--	--	--	

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

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Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter						
									Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Berm	B1	B1A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	CADMUM	--	--	33.1	--	--	--
Berm	B1	B1B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	CALCIUM	--	--	42.5	--	--	--
Berm	B1	B1C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	CHROMIUM	--	--	218	--	--	--
Berm	B1	B1D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	COBALT	--	--	976	--	--	--
Berm	B2	B2A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	COPPER	--	--	1070	--	--	--
Berm	B2	B2B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	IRON	--	--	1320	--	--	--
Berm	B2	B2C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	--	--	--	3680	--	--	--
Berm	B2	B2D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	--	--	--	6757	--	--	--
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	CADMUM	6.7	3960	4490	37.7	314	18400
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	CALCIUM	1.7	2210	764	13.5	79	12800
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	CHROMIUM	3.1	11800	1610	28.2	178	14400
Northern Channel	S01	S01A	12/7/2005	0-2 FT	SOIL	REG	SED	COBALT	--	--	1039	J	--	--
Northern Channel	S01	S01B	12/7/2005	1-2 FT	SOIL	REG	SED	COPPER	--	--	1300	J	--	--
Northern Channel	S01	S01C	12/7/2005	2-3 FT	SOIL	REG	SED	IRON	--	--	4400	J	--	--
Northern Channel	S02	Dup3A	12/7/2005	0-2 FT	SOIL	FD	SED	--	--	--	2540	J	--	--
Northern Channel	S02	Dup3B	12/7/2005	1-2 FT	SOIL	FD	SED	--	--	--	1236	J	--	--
Northern Channel	S02	Dup3C	12/7/2005	2-3 FT	SOIL	FD	SED	--	--	--	3000	J	--	--
Northern Channel	S02	Dup3D	12/7/2005	3-4 FT	SOIL	FD	SED	--	--	--	3780	J	--	--
Northern Channel	S02	S02A	12/7/2005	0-2 FT	SOIL	REG	SED	--	--	--	1909	J	--	--
Northern Channel	S02	S02B	12/7/2005	1-2 FT	SOIL	REG	SED	--	--	--	2620	J	--	--
Northern Channel	S02	S02C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	3100	J	--	--
Northern Channel	S02	S02D	12/7/2005	3-4 FT	SOIL	REG	SED	--	--	--	2049	J	--	--
Northern Channel	S03	S03A	12/7/2005	0-2 FT	SOIL	REG	SED	--	--	--	164	J	--	--
Northern Channel	S03	S03B	12/7/2005	1-2 FT	SOIL	REG	SED	--	--	--	164	J	--	--
Northern Channel	S03	S03C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	1713	J	--	--
Northern Channel	S03	S03D	12/7/2005	3-4 FT	SOIL	REG	SED	--	--	--	649	J	--	--
Eastern Meander Channel	SC-4C.1	071006-SD-ARC-4C1-001	7/10/2006	1.4-2.4 Ft	SOLID	REG	SED	CADMUM	--	--	248	--	--	--
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	CALCIUM	12.4	3300	17800	13.3	631	29200
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	CHROMIUM	5.9	3170	2910	13.3	251	29400
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	COBALT	0.61	2000	594	6.8	43.2	17100
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	COPPER	0.49	U 1110	12.2	4.9	U 5.9	9510
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	IRON	0.52	U 1170	9.7	5.2	U 6.3	9090
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	--	0.52	U 839	8.2	5.2	U 4.8	7820
Eastern Meander Channel	SC-4C.2	071006-SD-ARC-4C2-001	7/10/2006	2.1-3.1 Ft	SOLID	REG	SED	--	--	--	413	--	--	--
Eastern Channel	SC-4C.3A	071006-SD-ARC-4C3-001	7/10/2006	3-4 Ft	SOLID	REG	SED	--	--	--	16.7	--	--	--
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	CADMUM	14.8	15200	2240	25.4	483	36300
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	CALCIUM	18.5	16100	11000	79.9	818	29000
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0003	7/21/2006	1-2 ft	SOLID	REG	SED	CHROMIUM	26.2	22700	9210	99	1170	23800
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	COBALT	1.2	8420	628	10.2	69.8	11100
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	COPPER	3.3	17400	3260	19.3	199	16900
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	IRON	3.4	5860	6920	12	U 290	29800
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	--	0.79	U 3360	121	J	10.1	25700
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	--	0.59	U 1670	25.2	5.9	U 10.3	12300
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	--	0.61	U 1740	23.9	6.1	U 10.4	11400
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	--	0.64	U 1910	38.5	12.4	24	28000
Northern Channel	SC-4C.4	071006-SD-ARC-4C4-001	7/10/2006	1.3-2.3 Ft	SOLID	REG	SED	--	--	--	3510	--	--	--
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	CADMUM	17.9	14900	49800	67.1	958	33500
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	CALCIUM	5.3	6550	1450	22	U 491	32300
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003	7/21/2006	1-2 ft	SOLID	REG	SED	CHROMIUM	3.1	8250	461	J	25	U 140
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003-FD	7/21/2006	1-2 ft	SOLID	FD	SED	COBALT	2.4	7640	225	J	22	U 172
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	COPPER	7.7	U 8150	850	14.3	97.5	J 14300
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	IRON	6.7	37900	944	8	27.7	10800
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	--	2.5	6300	1430	23	299	15000
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SO									

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	CADMIUM	CALCIUM	CHROMIUM	COBALT	COPPER	IRON
									Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	CADMIUM	2.4	3530	2990	43.5	350	23800
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	CALCIUM	1.7	2570	1160	17	74.3	11200
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	CHROMIUM	1.4	4940	744	25.5	69.6	22400
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	COBALT	0.71	U 1730	90.3	7.1	U 9.8	13200
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	COPPER	3.2	12800	1500	25.9	130	14700
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	IRON	0.61	2030	96.9	5.6	U 19	8400
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	CADMIUM	43	U 8350	J 2990	61.6	250	J 15500
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	CALCIUM	6.7	4300	7670	25.3	259	56800
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	CHROMIUM	0.83	U 2510	356	9.2	27.5	21800
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	COBALT	0.56	U 1150	J 23.8	5.6	8.1	12200
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	COPPER	0.58	U 1110	38.8	J 5.8	U 10.9	12600
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	IRON	0.53	U 1390	12.6	5.3	U 7.1	12800
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	CADMIUM	0.59	U 2420	21.6	13.4	20.4	28100
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	CALCIUM	1.3	13600	959	6.9	U 87.8	14400
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	CHROMIUM	14	U 10500	7400	39.7	473	37000
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	COBALT	0.58	U 834	83.8	5.8	U 9.4	10800
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	COPPER	0.58	U 825	67.3	5.8	U 9.5	11000
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	IRON	0.57	U 943	9.6	5.7	U 5.3	7800
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	CADMIUM	0.57	U 1610	10.6	5.7	U 6.6	13300
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	CALCIUM	0.59	U 2640	20.5	13.1	17.9	23700
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	CHROMIUM	0.89	U 3750	210	8.9	U 18.5	10800
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	COBALT	0.64	U 1490	41.3	8.2	12.9	16000
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	COPPER	0.58	U 891	18.7	5.8	U 7.9	11500
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	IRON	0.57	U 1400	1360	5.7	U 5.2	7650
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	CADMIUM	0.56	U 1560	1400	5.6	U 5.2	7690
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED	CALCIUM	0.56	U 1200	1070	5.6	U 4.3	8160
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED	CHROMIUM	0.63	U 4100	26.7	16.2	21.7	35300
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED	COBALT	1.8	U 3650	350	18	U 46.7	20500
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED	COPPER	0.59	U 1510	J 15	6.5	J 10.7	J 11500
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED	IRON	0.55	U 2370	19.8	7.8	13.1	17300
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED	CADMIUM	4	3880	269	15	U 64.2	12400
Southern Channel	SC-H.23	042011-SC-H23-016025	4/20/2011	1.3-2 ft	SOLID	REG	SED	CALCIUM	0.61	U 1730	20.8	9.6	16.6	14200
Southern Channel	SC-H.23	042011-SC-H23-027039	4/20/2011	2.2-3.25 ft	SOLID	REG	SED	CHROMIUM	0.57	U 982	9.6	5.7	U 4.8	7200
Southern Channel	SC-H.23	042011-SC-H23-039050	4/20/2011	3.25-4.1 ft	SOLID	REG	SED	COBALT	0.6	U 1050	11.2	6	U 6.2	8760
Southern Channel	SC-H.23	042011-SC-H23-050062	4/20/2011	4.1-5.1 ft	SOLID	REG	SED	COPPER	0.63	U 3420	22.4	12.4	24	30500
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	IRON	12	U 23100	7280	J 50.1	412	J 21200
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	CADMIUM	0.7	U 1480	198	7	U 14.7	11000
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	CALCIUM	0.64	U 2100	47.5	13.4	26.2	30000
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	CHROMIUM	3.1	4240	473	14	U 494	29600
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	COBALT	2.4	4990	137	17	U 698	31700
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	COPPER	0.74	U 1510	16.1	7.4	U 8.4	15600
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	IRON	0.57	U 1220	9.3	5.7	U 9.4	7900
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	CADMIUM	0.59	U 1020	10.4	5.9	U 7.9	8950
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	CALCIUM	0.61	U 2370	23.8	13.2	23.4	31000
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	CHROMIUM	5.1	12000	2760	53.1	365	14300
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/											

Appendix A
Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron			
								Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	25.9	6850	22400	14	U	613	30900			
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	0.86	U	1850	108	8.6	U	14.2	19400		
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	0.86	U	1710	19.6	8.6	U	8.8	16500		
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	0.85	U	1850	22	8.5	U	10.1	17600		
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	0.88	U	1810	15.8	8.8	U	8.7	14800		
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	0.61	U	1950	19.9	12.6	U	15.6	23700		
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	17	U	5960	2530	19.7	U	230	21100		
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	10	U	6350	2900	21.1	U	319	21100		
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	19		17900	8460	58.1	U	615	32000		
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	0.62	U	1050	12.2	6.2	U	7.6	9240		
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	0.64	U	1610	12	6.4	U	5.4	10400		
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	0.6	U	2350	20.8	14	U	21	32500		
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	1.7		10700	609	8.7	U	64.9	17900		
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	1.3		9840	602	7.5	U	44.1	15100		
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	5.6		45400	814	10.9	U	82.3	21300		
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	51	U	12500	1940	61.1	U	118	24000		
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	2.2		2680	722	13	U	143	21100		
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED	0.66	U	660	UJ	131	J	6.6	U	11.1	3890
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	0.65	U	769	J	406	J	6.5	U	17	4220
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	1.8		3400	1230	8.7	U	160	19500		
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	0.9		3570	378	12.9	U	55.5	32300		
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	0.78		4450	2130	12.8	U	93.5	28900		
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	2.2		3320	524	8.2	U	107	20600		
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	0.53	U	2510	174	9.7	U	37.2	22100		
Berm	T0603	T0603A	12/5/2005	0-1 FT	SOIL	REG	S-SOIL	--		3662	--	--	U	--	--		
Berm	T0603	T0603B	12/5/2005	1-2 FT	SOIL	REG	S-SOIL	--		12600	--	--	U	--	--		
Berm	T0603	T0603C	12/5/2005	2-3 FT	SOIL	REG	S-SOIL	--		21800	--	--	U	--	--		
Berm	T0603	T0603D	12/5/2005	3-4 FT	SOIL	REG	S-SOIL	--		10500	--	--	U	--	--		

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	LEAD	MAGNESIUM	MANGANESE	MERCURY	NICKEL	POTASSIUM	SELENIUM
								Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Berm	B1	B1A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	7.85	--	--	0.211	--	--	--	--
Berm	B1	B1B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	15.8	--	--	0.058	--	--	--	--
Berm	B1	B1C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	31.3	--	--	0.54	--	--	--	--
Berm	B1	B1D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	93	--	--	10.6	--	--	--	--
Berm	B2	B2A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	232	--	--	26	--	--	--	--
Berm	B2	B2B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	215	--	--	18.2	--	--	--	--
Berm	B2	B2C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	123	--	--	10.6	--	--	--	--
Berm	B2	B2D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	211	--	--	50.4	--	--	--	--
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	302	2320	14500	63.3	121	890	U	36
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	106	1860	2740	5.9	37.5	738		2.8
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	214	4670	15300	17.4	57.4	985		29
Northern Channel	S01	S01A	12/7/2005	0-2 FT	SOIL	REG	SED	305	J	--	5.05	--	--	--	--
Northern Channel	S01	S01B	12/7/2005	1-2 FT	SOIL	REG	SED	629	J	--	19.2	--	--	--	--
Northern Channel	S01	S01C	12/7/2005	2-3 FT	SOIL	REG	SED	240	J	--	9.14	--	--	--	--
Northern Channel	S02	Dup3A	12/7/2005	0-2 FT	SOIL	FD	SED	235	J	--	3.3	--	--	--	--
Northern Channel	S02	Dup3B	12/7/2005	1-2 FT	SOIL	FD	SED	150	J	--	15.8	--	--	--	--
Northern Channel	S02	Dup3C	12/7/2005	2-3 FT	SOIL	FD	SED	281	J	--	9.9	--	--	--	--
Northern Channel	S02	Dup3D	12/7/2005	3-4 FT	SOIL	FD	SED	239	J	--	10.4	--	--	--	--
Northern Channel	S02	S02A	12/7/2005	0-2 FT	SOIL	REG	SED	407	J	--	4.5	--	--	--	--
Northern Channel	S02	S02B	12/7/2005	1-2 FT	SOIL	REG	SED	695	J	--	13.7	--	--	--	--
Northern Channel	S02	S02C	12/7/2005	2-3 FT	SOIL	REG	SED	294	J	--	23.4	--	--	--	--
Northern Channel	S02	S02D	12/7/2005	3-4 FT	SOIL	REG	SED	481	J	--	5.33	--	--	--	--
Northern Channel	S03	S03A	12/7/2005	0-2 FT	SOIL	REG	SED	365	J	--	1.05	--	--	--	--
Northern Channel	S03	S03B	12/7/2005	1-2 FT	SOIL	REG	SED	259	J	--	4.64	--	--	--	--
Northern Channel	S03	S03C	12/7/2005	2-3 FT	SOIL	REG	SED	264	J	--	5.3	--	--	--	--
Northern Channel	S03	S03D	12/7/2005	3-4 FT	SOIL	REG	SED	228	J	--	2.24	--	--	--	--
Eastern Meander Channel	SC-4C.1	071006-SD-ARC-4C1-001	7/10/2006	1.4-2.4 Ft	SOLID	REG	SED	--	--	--	0.67	--	--	--	--
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	373	4830	744	127	68	2850		3.3
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	179	6090	870	13.7	56.8	3260		2
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	31.6	3210	388	0.95	14.9	1650		2
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	3.7	1820	124	0.044	U	6.9	990	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	3.3	1710	122	0.046	U	6.5	1000	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	2.7	1460	70.4	0.042	U	5.5	1000	U
Eastern Meander Channel	SC-4C.2	071006-SD-ARC-4C2-001	7/10/2006	2.1-3.1 Ft	SOLID	REG	SED	--	--	--	1.6	--	--	--	--
Eastern Channel	SC-4C.3A	071006-SD-ARC-4C3-001	7/10/2006	3-4 Ft	SOLID	REG	SED	--	--	--	0.073	--	--	--	--
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	393	7980	30100	597	119	3290		19
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	700	5660	56600	117	255	2310		28
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0003	7/21/2006	1-2 ft	SOLID	REG	SED	514	5900	63800	129	310	1920		36
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	948	3400	6580	3.2	28.5	1300	U	13
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	210	3590	12100	18.1	121	1600	U	16
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	226	3800	2080	32.8	41.2	2400	U	4.8
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	31.4	5520	283	J	2.5	20.3	2970	3.1
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	3.9	1790	142	0.038	UJ	7.6	1200	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	3.5	1770	155	0.13	J	8.2	1200	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	14.6	6130	694	0.039	U	26.2	2480	2.6
Northern Channel	SC-4C.4	071006-SD-ARC-4C4-001	7/10/2006	1.3-2.3 Ft	SOLID	REG	SED	--	--	--	23.8	--	--	--	--
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	617	6320	4060	643	282	2940		8.3
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	465	8560	1150	9.5	169	4330		9
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003	7/21/2006	1-2 ft	SOLID	REG	SED	36.9	J	6120	1110	14.7	J	145	J
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003-FD	7/21/2006	1-2 ft	SOLID	FD	SED	88.7	J	6700	679	1.7	J	68.5	J
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	177	J	2750	J	9790		1000	31
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-											

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	LEAD	MAGNESIUM	MANGANESE	MERCURY	NICKEL	POTASSIUM	SELENIUM
								Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	468		1800	9600	32.2	104	710	U 28
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	110		1850	9500	7.3	39.3	690	U 28
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	84.3		3400	15200	5.9	40.2	1470	U 38
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	11.9		2500	205	0.095	11.4	1160	U 2.9
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	314		6190	13700	10.2	57.8	1010	U 31
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	31.3		1780	749	0.74	11.9	1100	U 2.2
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	336	J	2400	66600	28.4	154	1700	U 170
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	189		2360	1710	78.3	104	1600	U 3.1
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	23.8		3420	202	0.31	17.5	1700	U 3.3
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	4.5		1670	99.8	0.038	UJ 9.1	1100	U 2.2
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	4.8		1530	110	0.044	J 8.8	1200	U 2.3
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	3.6		1670	96.3	0.033	U 8.5	1100	U 2.1
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	13.7		6030	982	0.034	U 29.1	2310	U 2.4
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	156		6650	1740	7.7	21.9	863	U 2.8
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	569		4920	23400	39.9	105	2800	U 56
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	4.6		1500	92.7	0.23	8.7	1200	U 2.3
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	5		1540	83.4	0.16	8.4	1200	U 2.3
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	2.4		1530	54.6	0.039	U 7.3	1100	U 2.3
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	2.6		1950	460	0.035	U 8.7	1100	U 2.3
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	7.3		5700	393	0.04	U 25.2	2140	U 2.4
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	17.1		2830	801	1.1	11.3	1800	U 3.6
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	7.9		3280	235	0.041	U 16	1300	U 2.6
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	3.9		2280	106	0.037	U 9.8	1200	U 2.3
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	2.3	U	1590	157	0.039	U 8.9	1100	U 2.3
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	2.2		1610	135	0.035	U 7.1	1100	U 2.2
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED	2.2	U	1640	138	0.038	U 5.8	1100	U 2.2
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED	11.3		6830	1440	0.037	U 28.8	2740	U 2.5
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED	42.2		3480	1080	5	42.8	3600	U 7.1
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED	5.2		2740	86.8	J 0.073	12.5	1200	U 2.3
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED	6.4		3690	207	0.035	U 15.5	1410	U 2.2
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED	41		2200	1400	1.3	31.4	3000	U 6
Southern Channel	SC-H.23	042011-SC-H23-016025	4/20/2011	1.3-2 ft	SOLID	REG	SED	7.5		3860	114	0.064	19.6	1450	U 2.4
Southern Channel	SC-H.23	042011-SC-H23-027039	4/20/2011	2.2-3.25 ft	SOLID	REG	SED	2.5		1570	72.8	0.038	U 7.5	1100	U 2.3
Southern Channel	SC-H.23	042011-SC-H23-039050	4/20/2011	3.25-4.1 ft	SOLID	REG	SED	2.4	U	1450	59.9	0.039	U 7.7	1200	U 2.4
Southern Channel	SC-H.23	042011-SC-H23-050062	4/20/2011	4.1-5.1 ft	SOLID	REG	SED	10.6		7270	741	0.039	U 28.4	2540	U 2.5
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-0.21666 ft	SOLID	REG	SED	576	J	10100	55900	35.7	156	2300	U 47
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	19.5		2150	148	0.54	9.5	1400	U 2.8
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	22.8		6780	584	0.42	31.3	2850	U 2.6
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	267		5610	451	8.1	90.1	2700	U 5.4
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	255		5960	420	7.7	133	3300	U 6.7
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	12.8		3090	158	0.39	13.2	1500	U 2.9
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	3.1		1810	65	0.037	U 8.7	1100	U 2.3
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	3.2		1980	71.9	0.037	U 9.7	1200	U 2.4
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	14.3		7130	979	0.04	U 31.1	2480	

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	LEAD	MAGNESIUM	MANGANESE	MERCURY	NICKEL	POTASSIUM	SELENIUM					
								Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	368		5350	2150	228	68.9	2900	U	5.7	U			
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	22.1		3730	243	0.72	14.9	1910		3.5	U			
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	11.4		3230	182	0.058	UJ	12.8	1700	UJ	3.4	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	14.5		3660	203	0.07	J	14.3	1810	J	3.4	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	11		3060	187	0.057	U	12.2	1800	U	3.5	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	14.4		5760	439	0.038	U	27.6	2160		2.4	U		
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	400		2500	37700	J	51.4	68.4	1060		70	U		
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	325		3500	18000	J	50.8	81.4	1460		42	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	456		9080	21700		82.8	199	3800	U	7.7	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	3.1		1920		74.5	0.038	U	10.1	1200	U	2.5	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	2.6	U	1680		98.4	0.039	U	8	1300	U	2.6	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	15.3		6860		837	0.036	U	33.2	2630		2.4	U	
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	101		4880	611		2.7	28.3	2570		2.2	U		
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	60.9		3980	590		1.7	19.8	2430		2.2	U		
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	132		9180	2180		5.5	37.6	2700		2.2	U		
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	174		8200	57700		6.8	99.7	3070		200	U		
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	160		3910	1500		5.6	50.4	2350		2.3	U		
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED	11.8	J	660	UJ	543	J	1.9	J	5.3	660	U	2.7	U
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	25	J	910	J	1060	J	4.3	J	9.9	650	U	2.6	U
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	205		4760	779		29.3	38.6	2510		2.5	U		
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	64.1		7200	509		3.3	43	3830		1.9	U		
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	183		5830	4000		129	50.6	3160		10	U		
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	116		4820	857		15.6	31	2790		2.4	U		
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	33.6		5020	520		6.7	30.2	2870		2.1	U		
Berm	T0603	T0603A	12/5/2005	0-1 FT	SOIL	REG	S-SOIL	175	--	--	--	31.4	--	--	--	--	--	--		
Berm	T0603	T0603B	12/5/2005	1-2 FT	SOIL	REG	S-SOIL	119	--	--	--	18.5	--	--	--	--	--	--		
Berm	T0603	T0603C	12/5/2005	2-3 FT	SOIL	REG	S-SOIL	4.35	--	--	--	0.522	--	--	--	--	--	--		
Berm	T0603	T0603D	12/5/2005	3-4 FT	SOIL	REG	S-SOIL	7.55	U	--	--	0.908	--	--	--	--	--	--		

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter						
									Units	mg/kg	mg/kg	mg/kg	mg/kg	
Berm	B1	B1A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	SILVER	--	--	--	--	31.9	
Berm	B1	B1B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	SODIUM	--	--	--	--	20.9	
Berm	B1	B1C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	THALLIUM	--	--	--	--	161	
Berm	B1	B1D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	VANADIUM	--	--	--	--	353	
Berm	B2	B2A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	ZINC	--	--	--	--	667	
Berm	B2	B2B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	--	--	--	--	--	453	
Berm	B2	B2C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	--	--	--	--	--	385	
Berm	B2	B2D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	--	--	--	--	--	756	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	4.9	1670	18	U	43.1	669	
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1.2	974	7	U	23.2	234	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	4.5	1170	36	U	23.2	354	
Northern Channel	S01	S01A	12/7/2005	0-2 FT	SOIL	REG	SED	--	--	--	--	--	302	J
Northern Channel	S01	S01B	12/7/2005	1-2 FT	SOIL	REG	SED	--	--	--	--	--	484	J
Northern Channel	S01	S01C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	--	--	246	J
Northern Channel	S02	Dup3A	12/7/2005	0-2 FT	SOIL	FD	SED	--	--	--	--	--	238	J
Northern Channel	S02	Dup3B	12/7/2005	1-2 FT	SOIL	FD	SED	--	--	--	--	--	191	J
Northern Channel	S02	Dup3C	12/7/2005	2-3 FT	SOIL	FD	SED	--	--	--	--	--	204	J
Northern Channel	S02	Dup3D	12/7/2005	3-4 FT	SOIL	FD	SED	--	--	--	--	--	256	J
Northern Channel	S02	S02A	12/7/2005	0-2 FT	SOIL	REG	SED	--	--	--	--	--	603	J
Northern Channel	S02	S02B	12/7/2005	1-2 FT	SOIL	REG	SED	--	--	--	--	--	653	J
Northern Channel	S02	S02C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	--	--	220	J
Northern Channel	S02	S02D	12/7/2005	3-4 FT	SOIL	REG	SED	--	--	--	--	--	192	J
Northern Channel	S03	S03A	12/7/2005	0-2 FT	SOIL	REG	SED	--	--	--	--	--	286	J
Northern Channel	S03	S03B	12/7/2005	1-2 FT	SOIL	REG	SED	--	--	--	--	--	275	J
Northern Channel	S03	S03C	12/7/2005	2-3 FT	SOIL	REG	SED	--	--	--	--	--	302	J
Northern Channel	S03	S03D	12/7/2005	3-4 FT	SOIL	REG	SED	--	--	--	--	--	235	J
Eastern Meander Channel	SC-4C.1	071006-SD-ARC-4C1-001	7/10/2006	1.4-2.4 Ft	SOLID	REG	SED	--	--	--	--	--		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	3.4	10000	U	10	U	60.5	1430
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	1.3	3450		0.99	U	44.9	589
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	0.49	U	1720		0.99	U	24.9
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	0.49	U	990		0.99	U	13.3
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	0.52	U	1000		1	U	13.1
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	0.52	U	1000		1	U	10.1
Eastern Meander Channel	SC-4C.2	071006-SD-ARC-4C2-001	7/10/2006	2.1-3.1 Ft	SOLID	REG	SED	--	--	--	--	--		
Eastern Channel	SC-4C.3A	071006-SD-ARC-4C3-001	7/10/2006	3-4 Ft	SOLID	REG	SED	--	--	--	--	--		
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	9.7	U	3410		9.7	U	106
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	14	U	4320		28	U	149
Eastern Channel	SC-4C.3A	072106-SD-SGC-4C3-0003	7/21/2006	1-2 ft	SOLID	REG	SED	18	U	6310		36	U	133
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	0.66	U	1420		6.6	U	22.8
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	1.2		2730		8.1	U	42.7
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	1.4		3100		2.4	U	41.8
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	0.79	U	2470		1.6	U	39.1
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	0.59	U	1200		1.2	U	19.8
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	0.61	U	1200		1.2	U	17.9
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	0.64	U	1300		1.3	U	22.3
Northern Channel	SC-4C.4	071006-SD-ARC-4C4-001	7/10/2006	1.3-2.3 Ft	SOLID	REG	SED	--	--	--	--	--		
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0001	7/21/2006	0-0.5 ft	SOLID	REG	SED	4.1	U	4100		21	U	108
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0002	7/21/2006	0.5-1 ft	SOLID	REG	SED	4.5	U	4500		4.5	U	53.3
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003	7/21/2006	1-2 ft	SOLID	REG	SED	5.1	U	5350		5.1	U	25
Northern Channel	SC-4C.4	072106-SD-SGC-4C4-0003-FD	7/21/2006	1-2 ft	SOLID	FD	SED	4.4	U	4400		4.4	U	521
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	2.4		770		15	U	36.9
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	0.87		1410		5.1	U	28.7
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	4.9		1160		17	U	43.3
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	6.6	J	1390		44	U	35.1
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	3.5	J	1660		20	U	29.9

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	SILVER	SODIUM	THALLIUM	VANADIUM	ZINC				
								Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED		3.2	1410	14	U	31	335			
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		2.5	942	14	U	23.8	204			
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED		3.7	2030	19	U	24.1	149			
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED		0.71	U	1090	1.4	U	19.5	35.2		
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED		4.1	1050	16	U	24.8	407			
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED		0.56	U	1100	U	1.1	U	11.9	106	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED		43	U	1700	U	86	U	58.2	517	J
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED		2.3		1600	U	1.6	U	33.1	605	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED		0.83	U	1700	U	1.7	U	32.3	61.9	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED		0.56	U	1100	U	1.1	U	20.3	23.7	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED		0.58	U	1200	U	1.2	U	19.3	30.6	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED		0.53	U	1100	U	1.1	U	17.7	20.1	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED		0.59	U	1200	U	1.2	U	27.3	66.2	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED		0.91		818	1.4	U	26.4	207		
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED		7.4		2800	U	28	U	71.2	672	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED		0.58	U	1200	U	1.2	U	20.4	18.9	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED		0.58	U	1200	U	1.2	U	19.9	19.1	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED		0.57	U	1100	U	1.1	U	13.3	16.3	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED		0.57	U	1100	U	1.1	U	17.6	18.5	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED		0.59	U	1200	U	1.2	U	27.6	55.6	
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED		0.89	U	1810	1.8	U	33.7	51		
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED		0.64	U	1300	U	1.3	U	24.4	38.1	
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED		0.58	U	1200	U	1.2	U	18	23.6	
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED		0.57	U	1100	U	1.1	U	16.3	15.1	
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED		0.56	U	1100	U	1.1	U	17.1	15.8	
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED		0.56	U	1100	U	1.1	U	13.4	14.9	
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED		0.63	U	1300	U	1.3	U	27.7	58.5	
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED		1.8	U	3790	3.6	U	31	565		
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED		0.59	U	1200	U	1.2	U	24.6	28.8	J
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED		0.55	U	1100	U	1.1	U	23.8	37.1	
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED		1.5	U	3220	3	U	32.7	811		
Southern Channel	SC-H.23	042011-SC-H23-016025	4/20/2011	1.3-2 ft	SOLID	REG	SED		0.61	U	1200	U	1.2	U	32.7	41.2	
Southern Channel	SC-H.23	042011-SC-H23-027039	4/20/2011	2.2-3.25 ft	SOLID	REG	SED		0.57	U	1100	U	1.1	U	17.6	16.3	
Southern Channel	SC-H.23	042011-SC-H23-039050	4/20/2011	3.25-4.1 ft	SOLID	REG	SED		0.6	U	1200	U	1.2	U	23	15.6	
Southern Channel	SC-H.23	042011-SC-H23-050062	4/20/2011	4.1-5.1 ft	SOLID	REG	SED		0.63	U	1300	U	1.3	U	27.2	63.7	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED		12	U	3160	120	U	93.6	690	J	
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED		0.7	U	1400	1.4	U	17.7	43.1		
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		0.64	U	1300	U	1.3	U	27.8	82.7	
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED		2.1		3200	2.7	U	41.8	761		
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED		1.7	U	4550	3.3	U	37.4	861		
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED		0.74	U	1500	U	1.5	U	21.1	40.8	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED		0.57	U	1100	U	1.1	U	13.7	20.3	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED		0.59	U	1200	U	1.2	U	15.6	22.2	
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED		0.61	U	1200	U	1.2	U	27.4	71.4	
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED		4.8		2090	43	U	43	386		
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED		0.87	U	1720						

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - Metals, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	SILVER	SODIUM	THALLIUM	VANADIUM	ZINC			
								Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	1.4	U	4530		5.7	U	74.8	1170	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	0.86	U	2300		1.7	U	27.4	56.7	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	0.86	U	1900		1.7	U	24.6	39.7	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	0.85	U	2070		1.7	U	27.7	46.7	
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	0.88	U	1800	U	1.8	U	22.1	38.3	
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	0.61	U	1200	U	1.2	U	21.6	65.8	
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	8.5		1190		35	U	56.6	324	J
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	5.5		1500		21	U	47.1	475	J
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	8.5		5530		11	U	98.5	2260	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	0.62	U	1200	U	1.2	U	19.4	19.6	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	0.64	U	1300	U	1.3	U	22.8	16.7	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	0.6	U	1200	U	1.2	U	27.8	74.5	
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	0.96		3450		1.1	U	36.6	194	
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	0.55	U	1730	J	1.1	U	30	109	
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	1.4		4050		1.1	U	48	235	
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	10.9		4060		100	U	63.3	207	
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	1.8		3480		1.1	U	35.1	309	
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED	0.66	U	660	U	1.3	U	7.5	19.1	J
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	0.65	U	650	U	1.3	U	11.8	34.1	J
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	1.8		2530		0.99	U	46	264	
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	1.1		3820		0.97	U	44.5	317	
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	2.6		2030		5	U	70.2	131	
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	1.1		2490		0.99	U	46.9	143	
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	0.9		3290		1.1	U	39.4	141	
Berm	T0603	T0603A	12/5/2005	0-1 FT	SOIL	REG	S-SOIL	--	--	--		--	--	582		
Berm	T0603	T0603B	12/5/2005	1-2 FT	SOIL	REG	S-SOIL	--	--	--		--	--	496		
Berm	T0603	T0603C	12/5/2005	2-3 FT	SOIL	REG	S-SOIL	--	--	--		--	--	498		
Berm	T0603	T0603D	12/5/2005	3-4 FT	SOIL	REG	S-SOIL	--	--	--		--	--	43.8		

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	4,1-BIPHENYL		2,4,5-TRICHLOROPHENOL		2,4,6-TRICHLOROPHENOL		2,4-DICHLOROPHENOL		2,4-DIMETHYLPHENOL	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	9790		1700	U	1700	U	1700	U	1700	U	
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	2800		1300	U	1300	U	1300	U	1300	U	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	19100		210	U	210	U	210	U	210	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	170	U	430	U	430	U	430	U	430	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	150	U	370	U	370	U	370	U	370	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	98	U	250	U	250	U	250	U	250	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	78	U	200	U	200	U	200	U	200	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	80	U	200	U	200	U	200	U	200	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	76	U	190	U	190	U	190	U	190	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	332		200	U	200	U	200	U	200	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	5360		1200	U	1200	U	1200	U	1200	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	8430		340	U	340	U	340	U	340	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	400		300	U	300	U	300	U	300	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	28.6	J	170	U	170	U	170	U	170	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	24.7	J	170	U	170	U	170	U	170	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	71	U	180	U	180	U	180	U	180	U	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	5340		1500	U	1500	U	1500	U	1500	U	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	83	U	210	U	210	U	210	U	210	U	
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	29700	J	1700	U	1700	U	1700	U	1700	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	19600	J	1700	U	1700	U	1700	U	1700	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	13400	J	1800	U	744	J	1800	U	1800	U	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2680		1400	U	1400	U	1400	U	1400	U	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	2520		1300	U	1300	U	1300	U	1300	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2990		280	U	488		280	U	280	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	18.4	J	210	U	210	U	210	U	210	U	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2560		230	U	230	U	230	U	230	U	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	70	U	170	U	170	U	170	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	480		250	UJ	250	U	250	UJ	250	UJ	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	88	U	220	U	220	U	220	U	220	U	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	28.6	J	250	U	250	U	250	U	250	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	69	U	170	U	170	U	170	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	69	U	170	U	170	U	170	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	66	U	170	U	170	U	170	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	70	U	180	U	180	U	180	U	180	U	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	500	U	1200	U	1200	U	1200	U	1200	U	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	7810		2100	U	2100	U	2100	U	2100	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	72	U	180	U	180	U	180	U	180	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	71	U	180	U	180	U	180	U	180	U	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	71	U	180	U	180	U	180	U	180	U	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	70	U	170	U	170	U	170	U	170	U	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	73	U	180	U	180	U	180	U	180	U	
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	110	U	270	U	270	U	270	U	270	U	
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.66														

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

								4,1-BIPHENYL		2,4,5-TRICHLOROPHENOL		2,4,6-TRICHLOROPHENOL		2,4-DICHLOROPHENOL		2,4-DIMETHYLPHENOL	
								Parameter	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type										
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	9130		340	U	340	U	340	U		
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	181		350	U	350	U	350	U		
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	74.2	J	310	U	310	U	310	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	160	U	400	U	400	U	400	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	40.1	J	460	U	460	U	460	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	86	U	210	U	210	U	210	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	67	U	170	U	170	U	170	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	67	U	170	U	170	U	170	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	72	U	180	U	180	U	180	U		
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	8910		850	U	850	U	850	U		
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	210		250	U	250	U	250	U		
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	71	U	180	U	180	U	180	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	6210		1800	U	1800	U	1800	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	23.9	J	290	U	290	U	290	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	86.2		170	U	170	U	170	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	68	U	170	U	170	U	170	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	68	U	170	U	170	U	170	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	71	U	180	U	180	U	180	U		
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	15100		4900	U	4900	U	4900	U		
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	109		180	U	180	U	180	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	35.9	J	390	U	390	U	390	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	96	U	240	U	240	U	240	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	99	U	250	U	250	U	250	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	96	U	240	U	240	U	240	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	100	U	260	U	260	U	260	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	69	U	170	U	170	U	170	U		
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	35100	J	1800	U	1800	U	1800	U		
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	10200	J	1800	U	1800	U	1800	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	2230		970	U	970	U	970	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	70	U	180	U	180	U	180	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	70	U	180	U	180	U	180	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	69	U	170	U	170	U	170	U		
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	190	U	480	U	480	U	480	U		
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	130	U	310	U	310	U	310	U		
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	250	U	620	U	620	U	620	U		
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	170	U	430	U	430	U	430	U		
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	130	U	340	U	340	U	340	U		
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	73	U	180	U	180	U	180	U		
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	76	U	190	U	190	U	190	U		
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	140	U	360	U	360	U	360	U		
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	190	U	470	U	470	U	470	U		
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	120	U	310	U	310	U	310	U		
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	150	U	370	U	370	U	370	U		
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	160	U	390	U	390	U	390	U		

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

								Parameter		2,4-DINITROPHENOL		2,4-DINITROTOLUENE		2,6-DINITROTOLUENE		2-Chloronaphthalene		2-Chlorophenol	
								Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type												
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		6600	U	660	U	660	U	660	U	1700	U	
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		5400	U	540	U	540	U	540	U	1300	U	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		860	UJ	86	U	86	U	86	U	210	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED		1700	UJ	170	U	170	U	170	U	430	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED		1500	UJ	150	U	150	U	150	U	370	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED		980	U	98	U	98	U	98	U	250	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED		780	U	78	U	78	U	78	U	200	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED		800	U	80	U	80	U	80	U	200	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED		760	U	76	U	76	U	76	U	190	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED		790	U	79	U	79	U	79	U	200	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED		4700	U	470	U	470	U	470	U	1200	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED		1400	U	140	U	140	U	140	U	340	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED		1200	U	120	U	120	U	120	U	300	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED		680	U	68	U	68	U	68	U	170	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED		700	U	70	U	70	U	70	U	170	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED		710	U	71	U	71	U	71	U	180	U	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED		6100	UJ	610	U	610	U	610	U	1500	U	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED		830	U	83	U	83	U	83	U	210	U	
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED		6600	UJ	660	U	660	U	660	U	1700	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED		6600	U	660	U	660	U	660	U	1700	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED		7100	U	710	U	710	U	710	U	1800	U	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED		5600	U	560	U	560	U	560	U	1400	U	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		5300	U	530	U	530	U	530	U	1300	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED		1100	UJ	110	U	110	U	110	U	280	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED		850	UJ	85	U	85	U	85	U	210	U	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED		910	UJ	91	U	91	U	91	U	230	U	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED		700	UJ	70	U	70	U	70	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED		1000	U	100	U	100	U	100	U	250	UJ	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED		880	U	88	U	88	U	88	U	220	U	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED		1000	U	100	U	100	U	100	U	250	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED		690	U	69	U	69	U	69	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED		690	U	69	U	69	U	69	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED		660	U	66	U	66	U	66	U	170	U	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED		700	U	70	U	70	U	70	U	180	U	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED		5000	UJ	500	U	500	U	500	U	1200	U	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED		8600	U	860	U	860	U	860	U	2100	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED		720	U	72	U	72	U	72	U	180	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED		710	U	71	U	71	U	71	U	180	U	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED		710	U	71	U	71	U	71	U	180	U	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED		700	U	70	U	70	U	70	U	170	U	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED		730	U	73	U	73	U	73	U	180	U	
Southern Channel	SC-H.21	042111-SC-H21-000009																	

Appendix A
Universal Oil Products (UOP)
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								Parameter	2,4-DINITROPHENOL		2,4-DINITROTOLUENE		2,6-DINITROTOLUENE		2-Chloronaphthalene		2-Chlorophenol	
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type		Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	1400	U	140	U			140	U	340	U	
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	1400	U	140	U	140	U	140	U	350	U	
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	1300	U	130	U	130	U	130	U	310	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	1600	U	160	U	160	U	160	U	400	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	1800	U	180	U	180	U	180	U	460	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	860	UJ	86	U	86	U	86	U	210	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	670	U	67	U	67	U	67	U	170	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	670	U	67	U	67	U	67	U	170	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	720	UJ	72	U	72	U	72	U	180	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	3400	U	340	U	340	U	340	U	850	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	980	U	98	U	98	U	98	U	250	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	710	UJ	71	U	71	U	71	U	180	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	7000	UJ	700	U	700	U	700	U	1800	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	1200	U	120	U	120	U	120	U	290	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	680	UJ	68	U	68	U	68	U	170	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	680	UJ	68	U	68	U	68	U	170	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	680	UJ	68	U	68	U	68	U	170	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	710	UJ	71	U	71	U	71	U	180	U	
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	19000	U	1900	U	1900	U	1900	U	4900	U	
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	720	U	72	U	72	U	72	U	180	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	1600	UJ	160	U	160	U	160	U	390	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	960	UJ	96	U	96	U	96	U	240	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	990	UJ	99	U	99	U	99	U	250	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	960	UJ	96	U	96	U	96	U	240	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	1000	UJ	100	U	100	U	100	U	260	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	690	UJ	69	U	69	U	69	U	170	U	
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	7000	UJ	700	U	700	U	700	U	1800	U	
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	7200	UJ	720	U	720	U	720	U	1800	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	3900	U	390	U	390	U	390	U	970	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	700	U	70	U	70	U	70	U	180	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	700	U	70	U	70	U	70	U	180	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	690	U	69	U	69	U	69	U	170	U	
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	1900	U	190	U	190	U	190	U	480	U	
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	1300	U	130	U	130	U	130	U	310	U	
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	2500	U	250	U	250	U	250	U	620	U	
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	1700	U	170	U	170	U	170	U	430	U	
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	1300	U	130	U	130	U	130	U	340	U	
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	730	U	73	U	73	U	73	U	180	U	
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	760	U	76	U	76	U	76	U	190	U	
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	1400	U	140	U	140	U	140	U	360	U	
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	1900	U	190	U	190	U	190	U	470	U	
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	1200	U	120	U	120	U	120	U	310	U	
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	1500</td										

Appendix A
Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	2'-METHYLNAPHTHALEN'		2'-METHYLPHENOL		2'-NITROANILINE		2'-NITROPHENOL		3&4-METHYLPHENOL	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	660	U	737		1700	U	1700	U	872		
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	540	U	540		1300	U	1300	U	540	U	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	86	U	86		210	U	210	U	86	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	170	U	170		430	U	430	U	170	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	150	U	150		370	U	370	U	150	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	98	U	98		250	U	250	U	98	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	78	U	78		200	U	200	U	78	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	80	U	80		200	U	200	U	80	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	76	U	76		190	U	190	U	76	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	79	U	79	J	470	U	200	U	79	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	177	J			1200	U	1200	U	470	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	140	U	140		340	U	340	U	140	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	120	U	120		300	U	300	U	120	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	68	U	68		170	U	170	U	68	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	70	U	70		170	U	170	U	70	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	71	U	71		180	U	180	U	71	U	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1650		11100	J	1500	U	1500	U	13200	J	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	83	U	83		210	U	210	U	83	U	
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1380		3540		1700	U	1700	U	1580		
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	660	U	660		1700	U	1700	U	660	UJ	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	710	U	710		1800	U	1800	U	2980	J	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	560	U	894		1400	U	1400	U	1450		
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	530	U	530		1300	U	1300	U	530	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	574		840		280	U	280	U	110	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	85	U	85		210	U	210	U	85	U	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	91	U	91		230	U	230	U	91	U	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	70	U	70		170	U	170	U	70	U	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	577	J	100	UJ	250	U	250	UJ	787	J	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	88	U	88		220	U	220	U	88	U	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	100	U	100		250	U	250	U	100	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	69	U	69		170	U	170	U	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	69	U	69		170	U	170	U	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	66	U	66		170	U	170	U	66	U	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	70	U	70		180	U	180	U	70	U	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	500	U	500		1200	U	1200	U	500	U	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	860	U	860		2100	U	2100	U	860	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	72	U	72		180	U	180	U	72	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	71	U	71		180	U	180	U	71	U	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	71	U	71		180	U	180	U	71	U	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	70	U	70		170	U	170	U	70	U	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	73	U	73		180	U	180	U	73	U	
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	110	U	110		270	U	270	U	110	U	
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	77	U	77		190	U	190	U	77	U	
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID													

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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	2'-METHYLNAPHTHALEN'		2'-METHYLPHENOL		2'-NITROANILINE		2'-NITROPHENOL		3&4-METHYLPHENOL	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	1280		1980		340	U	340	U	1050		
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	140	U	140	U	350	U	350	U	140	U	
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	130	U	130	U	310	U	310	U	130	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	68.2	J	160	U	400	U	400	U	160	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	72.6	J	180	U	460	U	460	U	180	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	86	U	86	U	210	U	210	U	86	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	67	U	67	U	170	U	170	U	67	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	67	U	67	U	170	U	170	U	67	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	72	U	72	U	180	U	180	U	72	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	240	J	340	U	850	U	850	U	1740		
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	98	U	98	U	250	U	250	U	98	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	71	U	71	U	180	U	180	U	71	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	2820		3970		1800	U	1800	U	2810		
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	120	U	120	U	290	U	290	U	120	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	68	U	68	U	170	U	170	U	68	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	68	U	68	U	170	U	170	U	68	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	68	U	68	U	170	U	170	U	68	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	71	U	71	U	180	U	180	U	71	U	
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	6420		1510	J	4900	U	4900	U	3110		
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	72	U	72	U	180	U	180	U	72	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	160	U	160	U	390	U	390	U	160	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	96	U	96	U	240	U	240	U	96	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	99	U	99	U	250	U	250	U	99	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	96	U	96	U	240	U	240	U	96	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	100	U	100	U	260	U	260	U	100	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	69	U	69	U	170	U	170	U	69	U	
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	1360		1870		1800	U	1800	U	700	U	
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	438	J	1020		1800	U	1800	U	720	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	1270		297	J	970	U	970	U	536		
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	70	U	70	U	180	U	180	U	70	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	70	U	70	U	180	U	180	U	70	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	69	U	69	U	170	U	170	U	69	U	
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	190	U	190	U	480	U	480	U	190	U	
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	130	U	130	U	310	U	310	U	130	U	
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	250	U	250	U	620	U	620	U	250	U	
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	170	U	170	U	430	U	430	U	170	U	
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	130	U	130	U	340	U	340	U	130	U	
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	73	U	73	U	180	U	180	U	73	U	
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	76	U	76	U	190	U	190	U	76	U	
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	140	U	140	U	360	U	360	U	140	U	
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	190	U	190	U	470	U	470	U	190	U	
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	120	U	120	U	310	U	310	U	120	U	
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	150	U	150	U	370	U	370	U	150		

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

								Parameter	Units	3,3'-DICHLOROBENZIDINF		3-NITROANILINE		4,6-DINITRO-2-METHYLPHENOL		4-BROMOPHENYLPHENYL ETHER		4-CHLORO-3-METHYLPHENOL	
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1700	U	1700	U	6600	U	660	U	1700	U		
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	1300	U	5400	U	540	U	1300	U		
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	210	U	210	U	860	U	86	U	210	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	430	U	430	UJ	1700	U	170	U	430	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	370	U	370	UJ	1500	U	150	U	370	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	250	U	250	U	980	U	98	U	250	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	200	U	200	U	780	U	78	U	200	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	200	U	200	U	800	U	80	U	200	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	190	U	190	U	760	U	76	U	190	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	200	U	200	U	790	U	79	U	200	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	1200	U	1200	U	4700	U	470	U	1200	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	340	U	340	U	1400	U	140	U	340	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	300	U	300	U	1200	U	120	U	300	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	170	U	170	U	680	U	68	U	170	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	170	U	170	U	700	U	70	U	170	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	180	U	180	U	710	U	71	U	180	U		
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1500	U	1500	UJ	6100	U	610	U	1500	U		
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	210	U	210	U	830	U	83	U	210	U		
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	UJ	1700	UJ	6600	U	660	U	1700	UJ		
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	U	1700	U	6600	U	660	U	1700	U		
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	1800	U	1800	U	7100	U	710	U	1800	U		
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1400	U	1400	U	5600	U	560	U	1400	U		
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	1300	U	5300	U	530	U	1300	U		
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	280	U	280	U	1100	U	110	U	280	U		
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	210	U	210	U	850	U	85	U	210	U		
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	230	U	230	U	910	U	91	U	230	U		
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	170	UJ	170	U	700	UJ	70	U	170	U		
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED			250	U	1000	U	100	UJ	250	UJ		
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	220	U	220	U	880	U	88	U	220	U		
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	250	U	250	U	1000	U	100	U	250	U		
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	170	U	170	U	690	U	69	U	170	U		
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	170	U	170	U	690	U	69	U	170	U		
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	170	UJ	170	U	660	U	66	U	170	U		
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	180	U	180	U	700	U	70	U	180	U		
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1200	U	1200	U	5000	U	500	U	1200	U		
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	2100	U	2100	U	8600	U	860	U	2100	U		
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	180	U	180	U	720	U	72	U	180	U		
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	180	U	180	U	710	U	71	U	180	U		
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	180	U	180	U	710	U	71	U	180	U		
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	170	U	170	U	700	U	70	U	170	U		
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	180	U	180	U	730	U	73	U	180	U		
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	270	U	270	U	1100	U	110	U	270	U		
Southern Channel	SC-H.21	042111-SC-H21-012020	4/2																

Appendix A
Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	3,3'-DICHLOROBENZIDINF ug/kg	3-NITROANILINE ug/kg	4,6-DINITRO-2-METHYLPHENOL ug/kg	4-BROMOPHENYLPHENYL ETHER ug/kg	4-CHLORO-3-METHYLPHENOL ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED			340	U	140	U
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED		350	U	350	U	350
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		310	U	310	U	310
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED		400	U	400	U	400
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED		460	U	460	U	460
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED		210	U	210	U	210
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED		170	U	170	U	170
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED		170	U	170	U	170
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED		180	U	180	U	180
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED		850	U	850	U	850
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED		250	U	250	U	250
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED		180	U	180	U	180
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED		1800	U	1800	U	1800
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED		290	U	290	U	290
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED		170	U	170	U	170
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED		170	U	170	U	170
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED		170	U	170	U	170
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED		180	U	180	U	180
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED		4900	U	4900	U	4900
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED		180	U	180	U	180
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED		390	U	390	U	390
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED		240	U	240	U	240
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		250	U	250	U	250
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED		240	U	240	U	240
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED		260	U	260	U	260
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED		170	U	170	U	170
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED		1800	U	1800	U	1800
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED		1800	U	1800	U	1800
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED		970	U	970	U	970
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED		180	U	180	U	180
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED		180	U	180	U	180
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED		170	U	170	U	170
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED		480	U	480	U	480
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED		310	U	310	U	310
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED		620	U	620	U	620
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED		430	U	430	U	430
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED		340	U	340	U	340
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED		180	U	180	U	180
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED		190	U	190	U	190
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED		360	U	360	U	360
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED		470	U	470	U	470
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED		310	U	310	U	310
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED		370	U	370	U	370
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED		390	U	390	U	390

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
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						Parameter	Units	4-CHLORANILINE		4-CHLOROPHENYL PHENYL ETHER		4-NITROANILINE		4-NITROPHENOL		ACENAPHTHENONE		ACENAPHTHYL ENE	
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1700	U	660	U	1700	U	3300	U	330	U	330	U
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	540	U	1300	U	2700	U	270	U	270	U
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	210	U	86	U	210	U	430	U	366	U	274	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	430	U	170	U	430	U	850	U	85	U	165	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	370	U	150	U	370	U	740	U	74	U	56.5	J
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	250	U	98	U	250	U	490	U	49	U	49	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	200	U	78	U	200	U	390	U	39	U	39	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	200	U	80	U	200	U	400	U	40	U	40	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	190	U	76	U	190	U	380	U	38	U	38	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	200	U	79	U	200	U	400	UJ	115		36.9	J
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	1200	U	470	U	1200	U	2300	UJ	232		236	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	340	U	140	U	340	U	690	UJ	333		389	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	300	U	120	U	300	U	600	UJ	60	U	41	J
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	170	U	68	U	170	U	340	UJ	34	U	34	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	170	U	70	U	170	U	350	UJ	35	U	35	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	180	U	71	U	180	U	360	UJ	36	U	36	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1500	U	610	U	1500	UJ	3000	UJ	390		185	J
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	210	U	83	U	210	U	420	U	42	U	42	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	UJ	660	U	1700	UJ	3300	UJ	330	U	330	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	U	660	U	1700	U	3300	U	330	U	330	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	1800	U	710	U	1800	U	3600	U	360	U	360	U
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1400	U	560	U	1400	U	2800	U	280	U	650	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	530	U	1300	U	2600	U	260	U	260	U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	280	U	110	U	280	U	550	U	389		55	U
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	210	U	85	U	210	U	430	U	43	U	43	U
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	230	U	91	U	230	U	460	U	356		253	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	170	U	70	U	170	U	350	UJ	35	U	35	U
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	250	UJ	100	U	250	U	500	U	50	U	150	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	220	U	88	U	220	U	440	U	520		183	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	250	U	100	U	250	U	500	U	43	J	50	U
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	170	U	69	U	170	U	340	U	34	U	34	U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	170	U	69	U	170	U	350	U	35	U	35	U
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	170	U	66	U	170	U	330	U	33	U	33	U
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	180	U	70	U	180	U	350	U	35	U	35	U
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1200	U	500	U	1200	U	2500	U	127	J	250	U
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	2100	U	860	U	2100	U	4300	U	3810		826	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	180	U	72	U	180	U	360	U	36	U	36	U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	180	U	71	U	180	U	360	U	36	U	36	U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	180	U	71	U	180	U	360	U	36	U	36	U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG													

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

						Parameter	Units	4'-CHLOROANILINE		4'-CHLOROPHENYL PHENYL ETHER		4'-NITROANILINE		4'-NITROPHENOL		ACENAPHTHENONE		ACENAPHTHYL ENE	
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	340	U	140	UJ		680	U	68	U	68	U	
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	350	U	140	U	350	U	690	U	69	U	69	U
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	310	U	130	U	310	U	630	U	63	U	63	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	400	U	160	U	400	U	800	U	408		392	
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	460	U	180	U	460	U	920	U	181		299	
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	210	U	86	U	210	U	430	U	43	U	43	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	170	U	67	U	170	U	340	U	34	U	34	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	170	U	67	U	170	U	330	U	33	U	33	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	180	U	72	U	180	U	360	U	36	U	36	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	850	U	340	U	850	U	1700	U	3020		408	
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	250	U	98	U	250	U	490	U	49	U	49	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	180	U	71	U	180	U	350	U	35	U	35	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	1800	U	700	U	1800	U	3500	U	2410		1080	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	290	U	120	U	290	U	590	U	59	U	59	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	170	U	68	U	170	U	340	U	32	J	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	170	U	68	U	170	U	340	U	34	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	170	U	68	U	170	U	340	U	34	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	180	U	71	U	180	U	350	U	35	U	35	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	4900	U	1900	U	4900	U	9700	U	6910		954	J
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	180	U	72	U	180	U	360	U	36	U	36	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	390	U	160	U	390	U	790	U	94.2		512	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	240	U	96	U	240	U	480	U	48	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	250	U	99	U	250	U	500	U	50	U	50	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	240	U	96	U	240	U	480	U	48	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	260	U	100	U	260	U	520	U	52	U	52	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	170	U	69	U	170	U	350	U	35	U	35	U
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	1800	U	700	U	1800	U	3500	U	383		297	J
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	1800	U	720	U	1800	U	3600	U	360		360	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	362	J	390	U	970	U	1900	U	1610		435	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	180	U	70	U	180	U	350	U	35	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	180	U	70	U	180	U	350	U	35	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	170	U	69	U	170	U	340	U	34	U	34	U
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	480	U	190	U	480	U	950	U	95	U	95	U
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	310	U	130	U	310	U	630	U	63	U	63	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	620	U	250	U	620	U	1200	U	120		120	
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	430	U	170	U	430	U	870	U	87	U	87	U
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	340	U	130	U	340	U	670	U	67	U	75	
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	180	U	73	U	180	U	360	U	36	U	36	U
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	190	U	76	U	190	U	380	U	38	U	38	U
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	360											

Appendix A
Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	Units	ACETOPHENONE		ANTHRACENE		ATRAZINE		BENZALDEHYDE		BENZO(A)ANTHRACENE	
										ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1700	U	3430		1700	U	5250		1220			
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	1620		1300	U	1190	J	665			
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	210	U	1650		210	U	1860		1140			
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	430	U	195		430	U	430		445			
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	370	U	51.2	J	370	U	370		160			
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	250	U	49	U	250	U	250		39.4	J		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	200	U	39	U	200	U	200		39	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	200	U	40	U	200	U	200		40	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	190	U	38	U	190	U	190		38	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	200	U	436		200	U	350		446			
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	1200	U	1700		1200	U	1420		926			
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	671		2090		340	U	2500		1900			
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	43.5	J	125		300	U	300		117			
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	170	U	13.3	J	170	U	170		14.6	J		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	170	U	35	U	170	U	170		35	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	180	U	36	U	180	U	180		36	U		
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1450	J	3090		1500	UJ	7550		1340			
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	210	U	42	U	210	U	210		42	U		
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	U	3450		1700	U	1700		1470			
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	U	1360	J	1700	U	3000	J	564			
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	1800	U	4590	J	1800	U	15300	J	1000			
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1400	U	2290		1400	U	7880		2850			
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	1070		1300	U	1180	J	749			
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	280	U	1010		280	U	3410		691			
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	210	U	43	U	210	U	210		43	U		
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	230	U	1630		230	U	3490		1470			
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	170	U	43.1		170	U	100	J	111			
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	250	UJ	1210	J	250	UJ	2060		1270	J		
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	220	U	361		220	U	900		906			
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	49.2	J	73.5		250	U	448	J	99.1			
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	170	U	24.7	J	170	U	170	UJ	69.4			
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	170	U	15.2	J	170	U	170	U	54.5			
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	170	U	23.7	J	170	U	45.1	J	89.3	J		
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	180	U	35	U	180	U	180	U	35	U		
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1200	U	370		1200	U	1200		859			
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	2100	U	3500		2100	U	10800	J	4060			
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	180	U	36	U	180	U	180	UJ	18.6	J		
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	180	U	36	U	180	U	180	UJ	36	U		
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	180	U	36	U	180	U	180	UJ	36	U		
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	170	U	35	U	170	U	170	UJ	35	U		
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	180	U	37	U	180	U	180	UJ	37	U		
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	270	U	55	U	270	U	270	UJ	53	J		
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	190	U	38	U	190	U	190	UJ	38	U		
Southern Channel	SC-H.21	042111-SC																	

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	Units	ACETOPHENONE		ANTHRACENE		ATRAZINE		BENZALDEHYDE		BENZO(A)ANTHRACENE	
										ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	340	U	2820	J	340	U	7040	J	1970			
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	350	U	36.8	J	350	U	350	U	45.7	J		
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	310	U	27	J	310	U	310	U	41.1	J		
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	400	U	774		400	U	400	U	2290			
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	460	U	379		460	U	460	U	1210			
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	210	U	43	U	210	U	210	UJ	43	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	170	U	34	U	170	U	170	U	34	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	170	U	33	U	170	U	170	U	33	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	180	U	36	U	180	U	180	UJ	36	U		
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	850	U	3200		850	U	7460		1930			
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	250	U	86		250	U	250	U	31.9	J		
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	180	U	35	U	180	U	180	UJ	35	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	1800	U	13400		1800	U	29800		5440			
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	290	U	38.2	J	290	U	290	U	23.8	J		
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	170	U	176	J	170	U	135	J	76.9			
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	170	U	34	U	170	U	170	U	34	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	170	U	34	U	170	U	170	U	34	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	180	U	35	U	180	U	180	U	35	U		
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	4900	U	15000		4900	U	13400		4860			
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	180	U	36	U	180	U	106	J	36	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	329	J	499		390	U	1510		1230			
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	240	U	48	U	240	U	240	U	48	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	250	U	50	U	250	U	250	U	50	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	240	U	48	U	240	U	240	U	48	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	260	U	52	U	260	U	260	U	52	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	170	U	35	U	170	U	170	U	35	U		
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	1800	U	4530	J	1800	U	1800	U	1730			
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	1800	U	1550	J	1800	U	1800	U	1070			
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	339	J	3520		970	U	3020		2250			
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	180	U	35	U	180	U	180	U	35	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	180	U	35	U	180	U	180	U	35	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	170	U	34	U	170	U	170	U	34	U		
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	480	U	95	U	480	U	480	U	47.3	J		
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	310	U	63	U	310	U	310	U	33.3	J		
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	620	U	120	U	620	U	620	U	120	U		
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	430	U	87	U	430	U	430	UJ	62.5	J		
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	340	U	60.1	J	340	U	340	UJ	121			
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	180	U	36	U	180	U	180	UJ	22.7	J		
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	190	U	38	U	190	U	190	UJ	36.1	J		
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	360	U	65.2	J	360	U	360	U	125			
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	470	U	95	U	470	U	470	UJ	95	U		
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	310	U	66		310	U	310	UJ	167			
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	370	U	74	U	370	U	370	U				

Appendix A
Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	BENZO(A)PYRENE		BENZO(B)FLUORANTHENE		BENZO(G,H,I)PERYLENE		BENZO(K)FLUORANTHENE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BENZO(A)PYRENE	1010	1000	653	724				
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BENZO(A)PYRENE	572	715	435	424				
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BENZO(A)PYRENE	1070	1570	587	460				
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	BENZO(A)PYRENE	532	390	428	485				
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	BENZO(A)PYRENE	224	185	182	144				
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	43.7	J	29.6	J	49	U	51.2	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	BENZO(A)PYRENE	39	U	39	U	39	U	39	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	BENZO(A)PYRENE	40	U	40	U	40	U	40	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	BENZO(A)PYRENE	38	U	38	U	38	U	38	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	BENZO(A)PYRENE	456		523		316		275	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	BENZO(A)PYRENE	776		874		529		393	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	1780		1750		1180		920	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	BENZO(A)PYRENE	113		127		73.2		57	J
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	BENZO(A)PYRENE	14.8	J	34	U	34	U	34	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	BENZO(A)PYRENE	36	U	36	U	36	U	36	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	1070		1140		734		630	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	42	U	42	U	42	U	42	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	1180		1660		885		544	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	503		483		389		439	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	BENZO(A)PYRENE	858		926		752		792	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	2570		2750		1850		1790	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BENZO(A)PYRENE	695		848		501		458	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	685		836		376		267	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	BENZO(A)PYRENE	43	U	43	U	43	U	43	U
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	1300		1960		724		736	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	BENZO(A)PYRENE	154		129		127		85.1	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	BENZO(A)PYRENE	1160	J	1100	J	643	J	826	J
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	BENZO(A)PYRENE	667		488		459		463	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	BENZO(A)PYRENE	71.4		80.3		55.2		61.9	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	BENZO(A)PYRENE	42		76.6		26.3	J	34	U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	BENZO(A)PYRENE	38.3		34.5	J	24	J	28.1	J
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	BENZO(A)PYRENE	64.9	J	59.4	J	46	J	56.2	J
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	1070		1320		838		652	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	BENZO(A)PYRENE	3690		3580		2610		3070	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	BENZO(A)PYRENE	18.8	J	35.2	J	36	U	36	U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	BENZO(A)PYRENE	36	U	36	U	36	U	36	U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	BENZO(A)PYRENE	36	U	36	U	36	U	36	U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	BENZO(A)PYRENE	37	U	37	U	37	U	37	U
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	BENZO(A)PYRENE	48.1	J	78.1		42.2	J	55	U
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	BENZO(A)PYRENE	38	U	38	U	38	U	38	U
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	BENZO(A)PYRENE	36	U	36	U	36	U	36	U
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U</		

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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	BENZO(A)PYRENE		BENZO(B)FLUORANTHENE		BENZO(G,H,I)PERYLENE		BENZO(K)FLUORANTHENE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	BENZO(A)PYRENE	1680		1530		1350		1790	
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	BENZO(A)PYRENE	30.8	J	52.7	J	69	U	69	U
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	BENZO(A)PYRENE	29.5	J	54.4	J	63	U	63	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	BENZO(A)PYRENE	2120		2560		1270		1210	
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	BENZO(A)PYRENE	1130		1200		759		968	
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	BENZO(A)PYRENE	43	U	43	U	43	U	43	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	BENZO(A)PYRENE	34	U	34	U	34	U	34	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	BENZO(A)PYRENE	33	U	33	U	33	U	33	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	BENZO(A)PYRENE	36	U	36	U	36	U	36	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	BENZO(A)PYRENE	1820		1410		1040		1430	
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	BENZO(A)PYRENE	23.5	J	49	U	49	U	49	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	BENZO(A)PYRENE	6360		6010		3290		3360	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	BENZO(A)PYRENE	59	UJ	59	UJ	59	UJ	59	UJ
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	BENZO(A)PYRENE	68.9	J	76	J	46.9	J	48.7	J
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	BENZO(A)PYRENE	34	U	34	U	34	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	BENZO(A)PYRENE	34	U	34	U	34	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	BENZO(A)PYRENE	3840		4130		2760		3090	
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	BENZO(A)PYRENE	36	U	36	U	36	U	36	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	BENZO(A)PYRENE	1360		1190		981		926	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	BENZO(A)PYRENE	48	U	48	U	48	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	BENZO(A)PYRENE	50	U	50	U	50	U	50	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	BENZO(A)PYRENE	48	U	48	U	48	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	BENZO(A)PYRENE	52	U	52	U	52	U	52	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	1380		2110	J	971		626	
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	BENZO(A)PYRENE	879		1200	J	731		496	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	1930		1830		1470		1740	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	BENZO(A)PYRENE	35	U	35	U	35	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	BENZO(A)PYRENE	34	U	34	U	34	U	34	U
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	95	U	95	U	95	U	95	U
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	29.1	J	40.2	J	63	U	63	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	120	U	120	U	120	U	120	U
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	BENZO(A)PYRENE	62	J	77.8	J	87	U	54.6	J
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	BENZO(A)PYRENE	159		212		151		75.3	
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	23	J	18.3	J	25.6	J	32.2	J
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	BENZO(A)PYRENE	39.8		64.6		49.2		27.3	J
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	BENZO(A)PYRENE	159		169		131		118	
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	BENZO(A)PYRENE	95	U	95	U	95	U	95	U
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	BENZO(A)PYRENE	193		261		152		107	
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	BENZO(A)PYRENE	53.7	J	73.9	J	64.1	J	41	J
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	BENZO(A)PYRENE	78	U	78	U	78	U	78	U

Notes:

-- = Not analyzed

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	BIS(2'-CHLOROETHoxy)METHANE		BIS(2'-CHLOROETHYL)ETHER		BIS(2'ETHYLHEXYL)PHTHALATE		BUTYLBENZYL PHTHAIATE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	660	U	660	U	273000		660	U
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	540	U	540	U	15500		578	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	86	U	86	UJ	26900		380	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	170	U	170	U	396		170	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	150	U	150	U	97.7	J	150	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	98	U	98	U	98	U	98	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	78	U	78	U	78	U	78	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	80	U	80	U	80	U	80	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	76	U	76	U	76	U	76	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	79	U	79	U	20200		479	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	470	U	470	U	72300		2610	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	140	U	140	U	3060		140	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	120	U	120	U	458		120	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	68	U	68	U	100	J	68	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	70	U	70	U	63.9	J	70	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	71	U	71	U	71	U	71	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	610	U	610	U	335000		610	U
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	83	U	83	U	68.1	J	83	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	660	U	660	U	48400		660	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	660	U	660	U	89300		660	UJ
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	710	U	710	U	108000		1170	J
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	560	U	560	U	107000		560	U
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	530	U	530	U	19200		530	U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	110	U	110	UJ	21600		393	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	85	U	85	U	150		85	U
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	91	U	91	UJ	29600		431	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	70	U	70	U	1510		70	U
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	100	UJ	100	UJ	130000		100	UJ
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	88	U	88	U	54300		88	U
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	100	U	100	U	2180		100	U
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	69	U	69	U	1100		69	U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	69	U	69	U	998		69	U
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	66	U	66	U	1270	J	66	UJ
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	70	U	70	U	70	U	70	U
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	500	U	500	UJ	3930		600	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	860	U	860	U	62600		860	U
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	72	U	72	U	100		72	U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	71	U	71	U	70.4	J	71	U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	71	U	71	U	71	U	71	U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	70	U	70	U	70	U	70	U
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	73	U	73	U	73	U	73	U
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	110	U	110	U	274		110	U
Southern Channel</																

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	BIS(2'-CHLOROETHoxy)METHANE		BIS(2'-CHLOROETHYL)ETHER		BIS(2'ETHYLHEXYL)PHTHALATE		BUTYLBENZYL PHTHAIATE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	140	U	140	U	89100			
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	140	U	140	U	140	U	140	U
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	130	U	130	U	69.1	J	130	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	160	U	160	U	478		160	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	180	U	180	U	180	U	180	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	86	U	86	U	86	U	86	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	67	U	67	U	67	U	67	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	67	U	67	U	67	U	67	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	72	U	72	U	72	U	72	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	340	U	340	U	94600		340	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	98	U	98	U	314		98	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	71	U	71	U	71	U	71	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	700	U	700	U	250000		700	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	120	U	120	U	637	J	120	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	68	U	68	U	2930	J	68	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	68	U	68	U	40.1	J	68	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	68	U	68	U	68	U	68	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	71	U	71	U	93.7		71	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	1900	U	1900	U	302000		1900	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	72	U	72	U	72	U	72	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	160	U	160	U	688		160	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	96	U	96	U	50.5	J	96	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	99	U	99	U	99	U	99	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	96	U	96	U	96	U	96	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	100	U	100	U	100	U	100	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	69	U	69	U	69	U	69	U
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	700	U	700	UJ	12400	J	700	U
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	720	U	720	UJ	7050	J	720	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	390	U	390	U	153000		390	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	70	U	70	U	70	U	70	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	70	U	70	U	70	U	70	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	69	U	69	U	69	U	69	U
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	190	U	190	U	190	U	190	U
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	130	U	130	U	130	U	130	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	250	U	250	U	250	U	250	U
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	170	U	170	U	90.8	J	170	U
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	130	U	130	U	130	U	130	U
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	73	U	73	U	73	UJ	73	U
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	BIS(2'-CHLOROETHoxy)METHANE	76	U	76	U	170	J	76	U
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	140	U	140	U	140	U	140	U
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	190	U	190	U	190	U	190	U
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	BIS(2'-CHLOROETHoxy)METHANE	120	U	120	U	64.1</			

Appendix A
Universal Oil Products (UOP)
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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	CAPROLACTAM		CARBAZOLE		CHRYSENE		DI-N-BUTYL PHTHALATE		DI-N-OCTYL PHTHALATE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	660	U	660	U	1660		660	U	3880		
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	540	U	540	U	771		540	U	902		
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	86	UJ	86	U	1630		1450		642		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	170	U	170	U	595		170	U	170	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	150	U	150	U	198		150	U	150	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	98	U	98	U	52.9		98	U	98	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	78	U	78	U	39	U	78	U	78	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	80	U	80	U	40	U	80	U	80	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	76	U	76	U	38	U	76	U	76	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	79	U	93		521		122		1340		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	470	U	242	J	1090		867		7110		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	140	U	299		2180		140	U	140	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	120	U	120	U	137		120	U	120	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	68	U	68	U	19.9	J	68	U	68	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	70	U	70	U	35	U	70	U	70	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	71	U	71	U	36	U	71	U	71	U	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	610	U	610	U	1770		501	J	12400	J	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	83	U	83	U	42	U	83	U	83	U	
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	660	U	660	U	1900		660	U	878		
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	660	U	660	U	982		660	U	1130	J	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	710	U	710	U	1210		710	U	3180	J	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	560	U	560	U	3900		560	U	3690		
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	530	U	530	U	922		530	U	1490		
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	110	UJ	110	U	782		305		1200		
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	85	UJ	85	U	43	U	85	U	85	U	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	91	UJ	91	U	1700		2250		794		
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	70	U	70	U	155		70	U	70	U	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED			100	U	1430	J	100	U	2340	J	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	88	U	88	U	1080		88	U	88	U	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	100	U	100	U	109		100	U	100	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	69	U	69	U	73		46.6	J	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	69	U	69	U	61.8		69	U	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	66	U	66	U	108	J	66	U	66	UJ	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	70	U	70	U	35	U	70	U	70	U	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	500	U	118	J	1390		500	U	500	U	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	860	U	760	J	4920		860	U	860	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	72	U	72	U	19.9	J	72	U	72	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	71	U	71	U	36	U	71	U	71	U	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	71	U	71	U	36	U	71	U	71	U	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	70	U	70	U	35	U	70	U	70	U	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	73	U	73	U	37	U	73	U	73	U	
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	110	U	110	U	62.7		110	U	110	U	
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	77	U	77	U	38	U	77	U	77	U	
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	72	U	72	U	36	U	7				

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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	CAPROLACTAM		CARBAZOLE		CHRYSENE		DI-N-BUTYL PHTHALATE		DI-N-OCTYL PHTHALATE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	140	U	140	UJ	2500	J	140	UJ	140	U	
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	140	U	140	U	47.7	J	140	U	140	U	
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	130	U	130	U	36.5	J	130	U	130	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	160	U	158	J	2840		160	U	160	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	180	U	67.4	J	1340		180	U	180	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	86	U	86	U	43	U	86	U	86	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	67	U	67	U	34	U	67	U	67	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	67	U	67	U	33	U	67	U	67	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	72	U	72	U	36	U	72	U	72	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	340	U	340	U	1810		340	U	2560		
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	98	U	98	U	49	U	98	U	98	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	71	U	71	U	35	U	71	U	71	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	700	U	700	U	8260		16400		6900		
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	120	U	120	U	31.8	J	120	UJ	120	UJ	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	68	U	68	U	123	J	156	J	156	J	
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	68	U	68	U	34	U	68	U	68	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	68	U	68	U	34	U	68	U	68	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	71	U	71	U	35	U	71	U	71	U	
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	1900	U	897	J	5830		3540		4900		
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	72	U	72	U	36	U	72	U	72	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	160	U	119	J	1520		160	U	160	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	96	U	96	U	48	U	96	U	96	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	99	U	99	U	50	U	99	U	99	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	96	U	96	U	48	U	96	U	96	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	100	U	100	U	52	U	100	U	100	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	69	U	69	U	35	U	69	U	69	U	
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	700	U	700	U	2240	J	700	U	700	U	
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	720	U	720	U	1310	J	720	U	720	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	390	U	282	J	2750		390	U	390	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	70	U	70	U	35	U	70	U	70	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	70	U	70	U	35	U	70	U	70	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	69	U	69	U	34	U	69	U	69	U	
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	190	U	190	U	39.3	J	190	U	190	U	
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	130	U	130	U	34.2	J	130	U	130	U	
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	250	U	250	U	120	U	250	U	250	U	
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	170	U	170	U	90.5		170	U	170	U	
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	130	U	130	U	171		130	U	130	U	
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	73	U	73	U	28.9	J	73	U	73	U	
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	76	U	76	U	43.7		76	U	76	U	
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	140	U	140	U	164		140	U	140	U	
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	190	U	190	U	95	U	190	U	190	U	
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	120	U	120	U	202		120	U	120	U	
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	150	U	150	U	86.7		150	U	150	U	
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG												

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Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	DIBENZO(A,H) ANTHRACENE ug/kg	DIBENZOFURAN ug/kg	DIETHYL PHTHALATE ug/kg	DIMETHYL PHTHALATE ug/kg	FLUORANTHENE ug/kg	
									ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		330	U	660	U	660	U
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		270	U	540	U	540	U
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		140	U	86	U	86	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED		121	U	170	U	170	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED		74	U	150	U	150	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED		49	U	98	U	98	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED		39	U	78	U	78	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED		40	U	80	U	80	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED		38	U	76	U	76	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED		114		84.3		112	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED		230	U	223	J	470	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED		586		576		140	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED		30.2	J	120	U	120	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED		34	U	68	U	68	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED		35	U	70	U	70	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED		36	U	71	U	71	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED		300	U	301	J	610	U
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED		42	U	83	U	83	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED		217	J	660	U	660	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED		330	U	660	U	660	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED		360	U	710	U	710	U
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED		583		560	U	560	U
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		220	J	530	U	530	U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED		94.1		620		110	U
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED		43	U	85	U	85	U
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED		177		957		91	U
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED		33.6	J	70	U	70	U
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED		162	J	100	U	100	U
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED		44	U	696		88	U
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED		50	U	100	U	100	U
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED		34	U	69	U	69	U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED		35	U	69	U	69	U
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED		33	UJ	66	U	52.1	U
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED		35	U	70	U	70	U
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED		159	J	500	U	500	U
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED		430	U	860	U	860	U
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED		36	U	72	U	72	U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED		36	U	71	U	71	U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED		36	U	71	U	71	U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED		35	U	70	U	70	U
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED		37	U	73	U	73	U
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED		55	U	110	U	110	U
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED		38	U	77	U	77	U
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED		36	U	72	U	72	U
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED		35	U	70	U	70	U
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED		35	U	70	U	70	U
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED		34	U	69	U	69	U
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED		36	U	72	U	72	U
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED		110	U	220	U	220	U
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED		35	U	70	U	70	U
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED		34	U	69	U	69	U
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED		86					

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	DIBENZO(A,H) ANTHRACENE ug/kg	DIBENZOFURAN ug/kg	DIETHYL PHTHALATE ug/kg	DIMETHYL PHTHALATE ug/kg	FLUORANTHENE ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED		392	140	U	140	UJ
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED		69	U	140	U	86.1
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		63	U	130	U	140
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED		485	J	117	U	160
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED		246	J	70.4	U	180
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED		43	U	86	U	86
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED		34	U	67	U	67
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED		33	U	67	U	67
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED		36	U	72	U	72
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED		292		608	U	340
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED		49	U	98	U	98
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED		35	U	71	U	71
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED		1250		700	U	700
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED		59	U	120	U	120
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED		17.5	J	68	U	68
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED		34	U	68	U	68
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED		34	U	68	U	68
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED		35	U	71	U	71
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED		812	J	1900	U	1900
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED		36	U	72	U	72
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED		342		160	U	160
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED		48	U	96	U	96
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		50	U	99	U	99
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED		48	U	96	U	96
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED		52	U	100	U	100
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED		35	U	69	U	69
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED		351		1930	J	3550
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED		360	U	528	J	818
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED		369		390	U	390
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED		35	U	70	U	70
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED		35	U	70	U	70
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED		34	U	69	U	69
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED		95	U	190	U	116
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED		63	U	130	U	130
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED		120	U	250	U	211
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED		87	U	170	U	170
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED		51.8	J	130	U	130
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED		36	U	73	U	73
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED		26.6	J	76	U	76
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED		40.3	J	140	U	140
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED		95	U	190	U	190
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED		67		120	U	120
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED		74	U	150	U	150
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED		78	U	160	U	160

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	FLUORENE		HEXACHLOROBENZENE		HEXACHLOROBUTADIENE		HEXACHLOROCYCLOPENTADIENE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	637		660	U	640		6600		U
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	219	J	540	U	270	U	5400		U
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	395		86	U	98.7		860		UJ
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	85	U	170	U	85	U	1700		UJ
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	74	U	150	U	74	U	1500		UJ
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	49	U	98	U	49	U	980		UJ
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	39	U	78	U	39	U	780		UJ
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	40	U	80	U	40	U	800		UJ
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	38	U	76	U	38	U	760		UJ
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	167		79	U	40	U	790		U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	262		470	U	230	U	4700		U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	382		140	U	69	U	1400		U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	26.2	J	120	U	60	U	1200		U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	34	U	68	U	34	U	680		U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	35	U	70	U	35	U	700		U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	36	U	71	U	36	U	710		U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	300	U	610	U	408		6100		UJ
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	42	U	83	U	42	U	830		U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	906		660	U	1770		6600		UJ
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	375		660	U	611	J	6600		U
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	1010		710	U	3310	J	7100		U
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	399		560	U	280	U	5600		U
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	217	J	530	U	260	U	5300		U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	411		87.1	J	753		1100		UJ
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	43	U	85	U	43	U	850		UJ
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	351		91	U	34.8	J	910		UJ
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	35	U	70	U	35	U	700		UJ
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	50	U	100	U	926	J			
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	44	U	88	U	44	U	880		U
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	50	U	100	U	50	U	1000		U
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	34	U	69	U	34	U	690		U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	35	U	69	U	35	U	690		UJ
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	33	U	66	U	33	U	660		UJ
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	35	U	70	U	35	U	700		UJ
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	250	U	500	U	250	U	5000		UJ
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	1490		860	U	430	U	8600		U
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	36	U	72	U	36	U	720		U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	36	U	71	U	36	U	710		U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	36	U	71	U	36	U	710		U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	35	U	70	U	35	U	700		U
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	37	U	73	U	37	U	730		U
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	55	U	110	U	55	U	1100		U
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	38	U	77	U	38	U	770		U
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	36	U	72	U	36	U	720		U
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	35	U	70	U	35	U	700		U
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	35	U	70	U	35	U	700		U
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft												

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	Units	FLUORENE	HEXACHLOROBENZENE	HEXACHLOROBUTADIENE	HEXACHLOROCYCLOPENTADIENE
										ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	68	UJ			68	U
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	69	U	140	U	69	U
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	63	U	130	U	63	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	267		160	U	80	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	119		180	U	92	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	43	U	86	U	43	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	34	U	67	U	34	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	33	U	67	U	33	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	36	U	72	U	36	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	1030		340	U	170	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	49	U	98	U	49	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	35	U	71	U	35	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	2340		700	U	1310	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	59	U	120	U	59	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	26.4	J	68	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	34	U	68	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	34	U	68	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	35	U	71	U	35	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	2500		1900	U	970	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	36	U	72	U	36	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	87.9		160	U	79	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	48	U	96	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	50	U	99	U	50	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	48	U	96	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	52	U	100	U	52	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	35	U	69	U	35	U
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	598		700	U	506	
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	258	J	720	U	187	J
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	835		390	U	190	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	35	U	70	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	35	U	70	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	34	U	69	U	34	U
Lagoon	SC-H.5	040810-SC-H.5-00002	4/8/2010	0-2 ft	SOIL	REG	SED	95	U	190	U	95	U
Lagoon	SC-H.6	040810-SC-H.6-00002	4/8/2010	0-2 ft	SOIL	REG	SED	63	U	130	U	63	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	120	U	250	U	120	U
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	87	U	170	U	87	U
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	67	U	130	U	67	U
Berm	SO-H.3	041310-SO-H.3-00002	4/13/2010	0-2 ft	SOIL	REG	SED	36	U	73	U	36	U
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	38	U	76	U	38	U
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	71	U	140	U	71	U
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	95	U	190	U	95	U
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	62	U	120	U	62	U
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	74	U	150	U	74	U
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	78	U	160	U	78	U

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	HEXACHLORO ETHANE		INDENO[1,2,3-CD]PYRENE		ISOPHORONE		N-NITROSO-DI-N-PROPYLAMINE	
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1700	U	503		660	U	660	U	
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	368		540	U	540	U	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	210	U	501		86	U	86	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	430	U	382		170	U	170	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	370	U	140		150	U	150	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	250	U	49	U	98	U	98	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	200	U	39	U	78	U	78	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	200	U	40	U	80	U	80	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	190	U	38	U	76	U	76	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	200	U	284		79	U	79	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	1200	U	465		470	U	470	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	340	U	1060		140	U	140	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	300	U	67.9		120	U	120	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	170	U	34	U	68	U	68	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	170	U	35	U	70	U	70	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	180	U	36	U	71	U	71	U	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1500	U	717		610	U	610	U	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	210	U	42	U	83	U	83	U	
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	U	721		660	U	660	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1700	U	299	J	660	U	660	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	1800	U	476		710	U	710	U	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1400	U	1480		560	U	560	U	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1300	U	417		530	U	530	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	280	U	313		110	U	110	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	210	U	43	U	85	U	85	U	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	230	U	609		91	U	91	U	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	170	U	94.9		70	U	70	U	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	250	UJ	471	J	100	UJ	100	UJ	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	220	U	189		88	U	88	U	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	250	U	40	J	100	U	100	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	170	U	21.8	J	69	U	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	170	U	20	J	69	U	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	170	U	43	J	66	U	66	U	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	180	U	35	U	70	U	70	U	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1200	U	668		500	U	500	U	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	2100	U	2230		860	U	860	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	180	U	36	U	72	U	72	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	180	U	36	U	71	U	71	U	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	180	U	36	U	71	U	71	U	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	170	U	35	U	70	U	70	U	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	180	U	37	U	73	U	73	U	
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	270	U	31.7	J	110	U	110	U	
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	190	U	38	U	77	U	77	U	
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	180	U	36	U	72	U	72	U	
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	180	U	35	U	70	U	70	U	
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	170	U	35	U	70	U	70	U	
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4												

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	HEXACHLORO ETHANE ug/kg	INDENO[1,2,3- CD]PYRENE ug/kg	ISOPHORONE ug/kg	N-NITROSO-DI- N-PROPYLAMINE ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED		340	U	1140	
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED		350	U	69	U
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		310	U	63	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED		400	U	1200	
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED		460	U	676	
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED		210	U	43	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED		170	U	34	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED		170	U	33	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED		180	U	36	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED		850	U	844	
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED		250	U	49	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED		180	U	35	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED		1800	U	2960	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED		290	U	59	UJ
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED		170	U	39.4	J
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED		170	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED		170	U	34	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED		180	U	35	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED		4900	U	2190	
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED		180	U	36	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED		390	U	820	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED		240	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		250	U	50	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED		240	U	48	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED		260	U	52	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED		170	U	35	U
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED		1800	U	849	
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED		1800	U	546	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED		970	U	1260	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED		180	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED		180	U	35	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED		170	U	34	U
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED		480	U	95	U
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED		310	U	63	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED		620	U	120	U
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED		430	U	87	U
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED		340	U	85.5	
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED		180	U	18.3	J
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED		190	U	30.1	J
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED		360	U	103	
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED		470	U	95	U
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED		310	U	130	
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED		370	U	36	J
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED		390	U	78	U

Notes:

-- = Not analyzed

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D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	N-NITROSODIPHENYLAMINE		NAPHTHALENE		NITROBENZENE		PENTACHLOROPHENOL		PHENANTHRENE		PHENOL		
									Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED			1700		U	42800		660	U	3300	U	2010	660	U
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED			1300		U	1860		540	U	2700	U	1160	540	U
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED			210		U	1210		86	U	430	U	2110	86	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED			367	J	85	U	170	U	850	U	439	170	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED			296	J	74	U	150	U	740	U	115	150	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED			250	U	49	U	98	U	490	U	72.8	98	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED			200	U	39	U	78	U	390	U	39	78	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED			200	U	40	U	80	U	400	U	40	80	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED			190	U	38	U	76	U	380	U	38	76	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED			200	U	1100		79	U	400	U	784	79	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED			1200	U	2980		470	U	2300	U	1390	470	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED			340	U	279		140	U	690	U	2230	140	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED			300	U	24.1	J	120	U	600	U	89.4	120	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED			170	U	34	U	68	U	340	U	34	68	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED			170	U	35	U	70	U	350	U	35	70	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED			180	U	36	U	71	U	360	U	36	71	U	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED			1500	UJ	3680		610	U	3000	UJ	3160	10400		
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED			210	U	42	U	83	U	420	U	42	83	U	
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED			1700	UJ	236000		660	U	3300	U	3980	660	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED			1700	U	60800	J	660	U	3300	U	2020	J	660	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED			1800	U	183000	J	710	U	3600	U	5270	J	710	U
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED			1400	U	458		560	U	2800	U	1400	560	U	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED			1300	U	4730		530	U	2600	U	1220	530	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED			280	U	1900		110	U	563		1680		712	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED			210	U	43	U	85	U	430	U	43	85	U	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED			230	U	343		91	U	460	U	2450	91	U	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED			170	U	35	U	70	U	350	U	73.1	70	U	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED			250	UJ	2100	J	100	UJ			1610	J	746	J
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED			220	U	44	U	88	U	440	U	78.8	88	U	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED			250	U	50	U	100	U	500	U	31	J	124	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED			170	U	34	U	69	U	340	U	34	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED			170	U	35	U	69	U	350	U	35	69	U	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED			170	U	33	U	66	U	330	U	33	66	U	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED			180	U	35	U	70	U	350	U	35	70	U	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED			1200	U	250	U	500	U	2500	U	607	500	U	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED			2100	U	2770		860	U	4300	U	3220	860	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED			180	U	36	U	72	U	360	U	36	72	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED			180	U	36	U	71	U	360	U	36	71	U	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED		</td												

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	N-NITRODIPHENYLAMINE ug/kg	NAPHTHALENE ug/kg	NITROBENZENE ug/kg	PENTACHLOROPHENOL ug/kg	PHENANTHRENE ug/kg	PHENOL ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED			102000	140	U		4790
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED		350	U	76.1	140	U	127
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		310	U	28.7	J	130	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED		2550		138	160	U	800
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED		460	U	325	180	U	920
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED		210	U	43	U	430	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED		170	U	34	U	340	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED		170	U	33	U	330	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED		180	U	36	U	360	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED		850	U	6360	340	U	1700
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED		250	U	31.6	J	98	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED		180	U	35	U	350	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED		1800	U	3880		700	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED		290	U	59	UJ	120	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED		170	U	55.1	J	68	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED		170	U	13.4	J	68	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED		170	U	34	U	340	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED		180	U	35	U	350	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED		4900	U	5000	1900	U	9700
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED		180	U	36	U	360	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED		390		58.4	J	160	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED		240	U	48	U	480	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		250	U	50	U	500	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED		240	U	48	U	480	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED		260	U	280	100	U	520
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED		170	U	35	U	350	U
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED		1800	U	33000	J	700	U
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED		1800	U	10900	J	720	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED		970	U	1670	390	U	1900
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED		180	U	35	U	350	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED		180	U	35	U	350	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED		170	U	34	U	340	U
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED		480	U	95	U	950	U
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED		310	U	63	U	630	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED		620	U	120	U	250	U
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED		150	J	87	U	170	U
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED		60.7	J	67	U	130	U
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED		180	U	36	U	360	U
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED		190	U	38	U	380	U
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED		360	U	71	U	710	U
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED		470	U	95	U	950	U
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED		310	U	62	U	620	U
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED		370	U	74	U	740	U
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED		390	U	78	U	780	U

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	PYRENE	Total PAHs
								Units	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	2770		63687
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1370		12429
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	2380		18983
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	813		5777
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	289		2007.7
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	101		509.6
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	39	U	ND
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	40	U	ND
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	38	U	ND
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	876		7609.9
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	2110		16710
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	4560		26279
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	259		1571
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	27.9	J	120.8
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	20.7	J	42.8
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	36	U	ND
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	3480		26656
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	42	U	ND
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	3070		260983
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1270		71674
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	1910		211474
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	7040		42210
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1550		15757
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1650		13588.1
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	22.4	J	22.4
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2790		21069
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	169		1518.8
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	2270	J	16989
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	2060		8874.8
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	230		1087.4
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	140		620.8
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	128		485.6
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	197	J	815.5
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	35	U	ND
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	2220		12680
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	10500		55006
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	54.6		179.8
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	36.3		56.8
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	36	U	ND
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	35	U	ND
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	37	U	ND
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	131		703.3
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	38	U	ND
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	36	U	ND
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	35	U	ND
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	35	U	ND
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED	34	U	ND
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED	36	U	ND
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED	196		1219.4
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED	35	U	ND
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED	34	U	ND
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED	251		1469.9
Southern Channel	SC-H.23	042011-SC-H23-016025	4/20/2011	1.3-2 ft	SOLID	REG	SED	35	U	ND
Southern Channel	SC-H.23	042011-SC-H23-027039	4/20/2011	2.2-3.25 ft	SOLID	REG	SED	33	U	ND
Southern Channel	SC-H.23	042011-SC-H23-039050	4/20/2011	3.25-4.1 ft	SOLID	REG	SED	34	U	ND
Southern Channel	SC-H.23	042011-SC-H23-050062	4/20/2011	4.1-5.1 ft	SOLID	REG	SED	35	U	ND

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - SVOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter	PYRENE	Total PAHs
								Units	ug/kg	ug/kg
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	3830		131062
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	111		653.8
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	70.2		434.9
Eastern Meander Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	4770		28422.2
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	2020		14187.6
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	43	U	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	34	U	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	33	U	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	36	U	ND
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	3350		35364
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	67.2		373.2
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	35	U	ND
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	9840		96510
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	43.6	J	214.1
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	164	J	1351.8
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	34	U	13.4
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	34	U	ND
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	35	U	ND
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	10200		96226
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	36	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	2200		15020.5
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	48	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	50	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	48	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	52	U	280
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	35	U	ND
Northern Channel	SC-H.3	040610SC-H.3-00002	4/6/2010	0-2 ft	SOIL	REG	SED	4090	J	64405
Northern Channel	SC-H.3	040610SC-H.3-00002-D	4/6/2010	0-2 ft	SOIL	FD	SED	2290	J	25718
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	4900		33899
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	35	U	ND
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	35	U	ND
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	34	U	ND
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	70.6	J	238.7
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	56.1	J	256.7
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	52.8	J	115.3
Berm	SO-H.1	041310-SO-H.1-0204	4/13/2010	2-4 ft	SOIL	REG	SED	101		561.4
Berm	SO-H.1	041310-SO-H.1-0405	4/13/2010	4-5 ft	SOIL	REG	SED	195		1668.3
Berm	SO-H.3	041310-SO-H.3-0002	4/13/2010	0-2 ft	SOIL	REG	SED	23.1	J	218.4
Berm	SO-H.3	041310-SO-H.3-0002-D	4/13/2010	0-2 ft	SOIL	FD	SED	39.1		403.4
Berm	SO-H.3	041310-SO-H.3-0204	4/13/2010	2-4 ft	SOIL	REG	SED	169		1633.5
Berm	SO-H.3	041310-SO-H.3-0405	4/13/2010	4-5 ft	SOIL	REG	SED	95	U	ND
Berm	SO-H.4	041310-SO-H.4-0002	4/13/2010	0-2 ft	SOIL	REG	SED	232		2144
Berm	SO-H.4	041310-SO-H.4-0204	4/13/2010	2-4 ft	SOIL	REG	SED	84.3		598.4
Berm	SO-H.4	041310-SO-H.4-0406	4/13/2010	4-6 ft	SOIL	REG	SED	78	U	ND

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter Units	1,1,1- TRICHLORO- ETHANE	1,1,2,2- TETRACHLORO- ETHANE	1,1,2- TRICHLORO- ETHANE	1,1,2- TRICHLORO- TRIFLUORO- ETHANE		1,1- DICHLORO- ETHANE	1,1- DICHLORO- ETHENE	1,2,4- TRICHLORO- BENZENE	1,2-DIBROMO- 3-CHLORO- PROPANE	
									ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg	ug/kg	
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type											
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		34000	U	34000	U	34000	U	34000	U	34000	U
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		23000	U	23000	U	23000	U	23000	U	23000	U
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		12000	U	12000	U	12000	U	12000	U	12000	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED		26	U	26	U	26	U	26	U	26	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED		20	U	20	U	20	U	20	U	20	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED		10	U	10	U	10	U	10	U	10	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED		7.3	U	7.3	U	7.3	U	7.3	U	7.3	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED		7.8	U	7.8	U	7.8	U	7.8	U	7.8	U
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED		5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED		2100	U	2100	U	2100	U	2100	U	2100	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED		5200	U	5200	U	5200	U	5200	U	5200	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED		13	U	13	U	13	U	13	U	13	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED		13	U	13	U	13	U	13	U	13	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED		5.2	U	5.2	U	5.2	U	5.2	U	0.47	J
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED		5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED		5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED		4500	U	4500	U	4500	U	4500	U	6970	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED		11	U	11	U	11	U	11	U	11	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED		10000	U	10000	U	10000	U	10000	U	10000	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED		150000	U	150000	U	150000	U	150000	U	150000	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED		90000	U	90000	U	90000	U	90000	U	90000	U
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED		3000	U	3000	U	3000	U	3000	U	3000	U
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		45000	U	45000	U	45000	U	45000	U	45000	U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED		7000	U	7000	U	7000	U	7000	U	7000	U
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED		6.8	U	6.8	U	6.8	U	6.8	U	6.8	U
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED		2700	U	2700	U	2700	U	2700	U	2700	U
Eastern Channel	SC-H.19	042111-SC-H19-00007	4/21/2011	0-0.58333 ft	SOLID	REG	SED		5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED		620	U	620	U	620	U	620	U	620	U
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED		580	U	580	U	580	U	580	U	580	U
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED		11	U	11	U	11	U	11	U	11	U
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED		4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED		5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED		4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED		5	U	5	U	5	U	5	U	5	U
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED		340	U	340	U	340	U	340	U	340	U
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED		19	U	19	U	19	U	19	U	19	J
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED		5	U	5	U	5	U	5	U	5	U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED		4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED		5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED		5	U	5							

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter Units	1,1,1- TRICHLORO- ETHANE	1,1,2,2- TETRACHLORO- ETHANE	1,1,2- TRICHLORO- ETHANE	1,1,2- TRICHLORO- TRIFLUORO- ETHANE		1,1- DICHLORO- ETHANE	1,1- DICHLORO- ETHENE	1,2,4- TRICHLORO- BENZENE	1,2-DIBROMO- 3-CHLORO- PROPANE
									ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg	ug/kg
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type										
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED		8.7	U	8.7	U	8.7	U	8.7	U	8.7
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED		5.5	U	5.5	U	5.5	U	5.5	U	5.5
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED		6.1	U	6.1	U	6.1	U	6.1	U	6.1
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED		5.3	U	5.3	U	5.3	U	5.3	U	5.3
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED		7500	U	7500	U	7500	U	7500	U	7500
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED		11	U	11	U	11	U	11	U	11
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED		5.2	U	5.2	U	5.2	U	5.2	U	5.2
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED		63000	U	63000	U	63000	U	63000	U	4910
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED		4.5	U	4.5	U	4.5	U	4.5	U	3.5
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED		4.9	U	4.9	U	4.9	U	4.9	U	2.5
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED		5.1	U	5.1	U	5.1	U	5.1	U	10
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED		5.5	U	5.5	U	5.5	U	5.5	U	11
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED		5	U	5	U	5	U	5	U	10
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED		2300	U	2300	U	2300	U	2300	U	278
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED		5.6	U	5.6	U	5.6	U	5.6	U	11
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED		20	U	20	U	20	U	20	U	39
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED		8.1	U	8.1	U	8.1	U	8.1	U	16
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		8.7	U	8.7	U	8.7	U	8.7	U	17
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED		8.6	U	8.6	U	8.6	U	8.6	U	17
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED		9.3	U	9.3	U	9.3	U	9.3	U	19
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED		4.8	U	4.8	U	4.8	U	4.8	U	9.6
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED		5600	U	5600	U	5600	U	5600	U	11000
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED		3500	U	3500	U	3500	U	3500	U	6900
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED		2800	U	2800	U	2800	U	2800	U	5500
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED		5.4	U	5.4	U	5.4	U	5.4	U	11
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED		5.7	U	5.7	U	5.7	U	5.7	U	11
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED		5.1	U	5.1	U	5.1	U	5.1	U	10
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED		19	U	19	U	19	U	19	U	38
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED		34	U	34	U	34	U	34	U	69
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED		23	U	23	U	23	U	23	U	45

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter Units	1,2-DIBROMOE-THANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROPANE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	2-BUTANONE	2-HEXANONE							
									ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg							
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type																
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	6700	U	914000	6700	U	34000	J	27700	J	67000	U	34000	U			
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	4600	U	678000	4600	U	23000	J	56100	J	46000	U	23000	U			
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	2400	U	279000	2400	U	12000	J	11400	J	24000	U	12000	U			
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	5.1	U	6	J	5.1	U	26	U	26	U	51	U	26	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	4.1	U	20	U	4.1	U	20	U	20	U	41	U	20	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	2.1	U	10	U	2.1	U	10	U	10	U	21	U	10	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	1.5	U	7.3	U	1.5	U	7.3	U	7.3	U	15	U	7.3	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	1.6	U	7.8	U	1.6	U	7.8	U	7.8	U	16	U	7.8	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	1.1	U	5.7	U	1.1	U	5.7	U	5.7	U	11	U	5.7	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	420	U	3540	420	U	2100	U	2830	9300	4200	U	2100	U			
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	1000	U	400000	1000	U	5200	U	6390	23700	10000	U	5200	U			
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	2.6	U	390	2.6	U	13	U	29.1	77.8	26	U	13	U			
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	2.5	U	141	J	2.5	U	13	U	6.7	J	14.7	25	U	13	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	1	U	160	J	1	U	5.2	U	4.4	J	10.8	J	10	U	5.2	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	1.1	U	0.46	J	1.1	U	5.7	U	5.7	U	5.7	UJ	11	U	5.7	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	1.1	U	5.3	U	1.1	U	5.3	U	5.3	U	5.3	U	11	U	5.3	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	900	U	246000	900	U	4500	U	1420	J	9420	9000	U	4500	U		
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	2.2	U	2.1	J	2.2	U	11	U	8.6	J	4.6	J	22	U	11	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2000	U	305000	2000	U	10000	U	887	J	11900	20000	U	10000	U		
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	29000	U	3600000	29000	U	150000	U	25400	J	121000	J	29000	U	150000	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	18000	U	2760000	18000	U	90000	U	51800	J	180000	U	90000	U			
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	590	U	59300	590	U	3000	U	1700	J	11300	5900	U	3000	U		
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 ft	SOIL	REG	SED	9100	U	761000	9100	U	45000	U	10100	J	69400	91000	U	45000	U		
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1400	U	93900	1400	U	7000	U	7000	U	3300	J	14000	U	7000	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	1.4	U	5920	1.4	U	6.8	U	4.1	J	7.5	14	U	6.8	U		
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	540	U	1690	J	540	U	2700	U	361	J	1500	J	5400	U	2700	U
Eastern Channel	SC-H.19	042111-SC-H.19-000007	4/21/2011	0-0.5833 ft	SOLID	REG	SED	1	U	5.2	U	1	U	5.2	U	5.2	U	5.2	U	10	U	5.2	U
Eastern Channel	SC-H.19	042111-SC-H.19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	120	U	2060000	120	U	620	U	3390	54700	1200	U	620	U			
Eastern Channel	SC-H.19	042111-SC-H.19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	120	U	1490	120	U	580	U	437	J	627	1200	U	580	U		
Eastern Channel	SC-H.19	042111-SC-H.19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	2.1	U	268	2.1	U	11	U	119	259	79.4	11	U	11	U		
Eastern Channel	SC-H.19	042111-SC-H.19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	0.97	U	4.8	U	0.97	U	4.8	U	4.8	U	9.7	U	4.8	U		
Eastern Channel	SC-H.19	042111-SC-H.19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	1.1	U	5.3	U	1.1	U	5.3	U	5.3	U	11	U	5.3	U		
Eastern Channel	SC-H.19	042111-SC-H.19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	0.98	U	4.9	U	0.98	U	4.9	U	4.9	U	9.8	U	4.9	U		
Eastern Channel	SC-H.19	042111-SC-H.19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	0.99	U	5	U	0.99	U	5	U	5	U	9.9	U	5	U		
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	68	U	291	J	68	U	340	U	622	1340	680	U	3			

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter Units	1,2-DIBROMOETHANE	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,2-DICHLOROPROpane	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	2-BUTANONE	2-HEXANONE
									ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type									
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	1.7	U	8.7	U	1.7	U	8.7	U	8.7
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	1.1	U	5.5	U	1.1	U	5.5	U	5.5
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	1.2	U	6.1	U	1.2	U	6.1	U	6.1
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	1.1	U	5.3	U	1.1	U	5.3	U	5.3
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	1500	U	6680	J	1500	U	7500	J	7470
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	2.2	U	11	U	2.2	U	11	U	22
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	1	U	5.2	U	1	U	5.2	U	5.2
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	13000	U	2360000		13000	U	63000	J	68900
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	0.89	U	84.3	J	0.89	U	4.5	U	3.9
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	0.97	U	152	J	0.97	U	4.9	U	1
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	1	U	2.2	J	1	U	5.1	U	5.1
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	1.1	U	5.5	U	1.1	U	5.5	U	5.5
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	1	U	5	U	1	U	5	U	5
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	460	U	18000	J	460	U	2300	U	129000
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	1.1	U	1.2	J	1.1	U	5.6	U	13.2
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	3.9	U	3.8	J	3.9	U	20	U	8.2
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	1.6	U	8.1	U	1.6	U	8.1	U	8.1
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	1.7	U	8.7	U	1.7	U	8.7	U	8.7
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	1.7	U	8.6	U	1.7	U	8.6	U	8.6
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	1.9	U	9.3	U	1.9	U	9.3	U	9.3
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	0.96	U	4.8	U	0.96	U	4.8	U	4.8
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1100	U	283000	J	1100	U	5600	U	2790
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	690	U	584000	J	690	U	3500	U	10400
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	550	U	12600		550	U	2800	U	5050
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	1.1	U	5.4	U	1.1	U	5.4	U	5.4
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	1.1	U	5.7	U	1.1	U	5.7	U	5.7
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	1	U	5.1	U	1	U	5.1	U	5.1
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	3.8	U	4.1	J	3.8	U	19	U	29
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	6.9	U	2	J	6.9	U	34	U	13.5
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	4.5	U	3.9	J	4.5	U	23	U	37.8

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

									Parameter	4-METHYL-2-PENTANONE	ACETONE	BENZENE	BROMO-DICHLORO-METHANE	BROMOFORM	CARBON TETRA-CHLORIDE		
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type		Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		34000	U	67000	U	7100		34000	U	34000
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		23000	U	46000	U	4600		23000	U	23000
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		12000	U	24000	U	2400		12000	U	12000
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED		26	U	184	J	4.9	J	26	U	26
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED		20	U	118		5.6		20	U	20
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED		10	U	66.2		3.4		10	U	10
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED		7.3	U	37.9	J	1.5	U	7.3	U	7.3
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED		7.8	U	44.9	J	1.6	U	7.8	U	7.8
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED		5.7	U	19.2	J	1.1	U	5.7	U	5.7
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED		2100	U	4200	J	2100	U	2100	U	2100
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED		5200	U	10000	U	1140		5200	U	5200
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED		13	U	98.4	J	58		13	U	13
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED		13	U	108	J	42.3		13	U	13
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED		5.2	U	12.3	J	1.4		5.2	U	5.2
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED		5.7	U	5.5	J	0.81	J	5.7	U	5.7
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED		5.3	U	10.1	J	3.4		5.3	U	5.3
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED		4500	U	9000	U	71300		4500	U	4500
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED		11	U	46		2.2	U	11	U	11
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED		10000	U	20000	U	23200		10000	U	10000
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED		150000	U	290000	U	56700		150000	U	150000
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED		90000	U	180000	U	23900		90000	U	90000
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED		3000	U	5900	U	590		3000	U	3000
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED		45000	U	91000	U	9100		45000	U	45000
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED		7000	U	14000	U	2280		7000	U	7000
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED		6.8	U	78.7		6.5		6.8	U	6.8
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED		2700	U	5400	U	540		2700	U	2700
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED		5.2	U	10	U	1	U	5.2	U	5.2
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED		159	J	1200	U	5080		620	U	620
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED		580	U	1200	U	120	U	580	U	580
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED		11	U	215		3.6		11	U	11
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED		4.8	U	19.1	J	0.97	U	4.8	U	4.8
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED		5.3	U	41.3	J	1.1	U	5.3	U	5.3
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED		4.9	U	9.8	U	0.98	U	4.9	U	4.9
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED		5	U	9.9	U	3.5		5	U	5
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED		340	U	680	U	663		340	U	340
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED		19	U	411		41.7		19	U	19
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED		5	U	10	U	1	U	5	U	5
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED		4.6	U	9.3	U	0.93	U	4.6	U	4.6
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED		5.4	U	11	U	1.1	U	5.4	U	5.4
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED		5	U	9.9	U	0.99	U	5	U	5
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED		4.9	U	9.8	U	0.98	U	4.9	U	4.9
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED		12	U	25	U	2.5	U	12	U	12
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED		6.8	U	14	U	1.4	U	6.8	U	6.8
Southern Channel	SC-H.21																

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

Parameter									4-METHYL-2-PENTANONE	ACETONE	BENZENE	BROMO-DICHLORO-METHANE	BROMOFORM	BROMO-METHANE	CARBON DISULFIDE		CARBON TETRA-CHLORIDE						
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type																
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	8.7	U	68.6	1.7	U	8.7	U	8.7	U	2	J	8.7	U			
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	5.5	U	11	U	1.1	U	5.5	U	5.5	U	0.75	J	5.5	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	6.1	U	12	U	1.2	U	6.1	U	6.1	U	0.55	J	6.1	U		
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	5.3	U	11	U	1.1	U	5.3	U	5.3	U	5.3	U	5.3	U		
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	7500	U	15000	U	1880	U	7500	U	7500	U	7500	U	7500	U		
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	11	U	59.7	U	18.5	U	11	U	11	U	11	U	11	U		
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	5.2	U	10	U	1	U	5.2	U	5.2	U	5.2	U	5.2	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	63000	U	130000	U	6740	J	63000	U	63000	U	63000	U	63000	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	4.5	U	18.4	J	3.3	U	4.5	U	4.5	U	4.5	U	4.5	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	4.9	U	9.7	UJ	1.9	U	4.9	U	4.9	U	4.9	U	4.9	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	5.1	U	10	U	1	U	5.1	U	5.1	U	5.1	U	5.1	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	5.5	U	11	U	1.1	U	5.5	U	5.5	U	5.5	U	5.5	U		
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	5	U	10	U	1	U	5	U	5	U	5	U	5	U		
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	2300	U	4600	U	2590	J	2300	U	2300	U	2300	U	2300	U		
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	5.6	U	11	U	5.8	U	5.6	U	5.6	U	5.6	U	5.6	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	20	U	216	U	20.3	U	20	U	20	U	20	U	25.8	U		
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	8.1	U	41.6	J	1.6	U	8.1	U	8.1	U	8.1	U	4.7	J	8.1	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	8.7	U	111	U	1.7	U	8.7	U	8.7	U	8.7	U	2.4	J	8.7	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	8.6	U	84.3	U	1.7	U	8.6	U	8.6	U	8.6	U	1.4	J	8.6	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	9.3	U	64.8	U	1.9	U	9.3	U	9.3	U	9.3	U	5.2	J	9.3	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	4.8	U	9.6	U	0.96	U	4.8	U	4.8	U	4.8	U	4.8	U		
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	5600	U	11000	U	67200	U	5600	U	5600	U	5600	U	5600	U		
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	3500	U	6900	U	86100	U	3500	U	3500	U	3500	U	3500	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	2800	U	5500	U	1460	U	2800	U	2800	U	2800	U	712	J	2800	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	5.4	U	11	U	1.1	U	5.4	U	5.4	U	5.4	U	5.4	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	5.7	U	11	U	1.1	U	5.7	U	5.7	U	5.7	U	5.7	U		
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	5.1	U	10	U	1	U	5.1	U	5.1	U	5.1	U	5.1	U		
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	19	U	170	U	40.3	U	19	U	19	U	19	U	12	J	19	U
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	34	U	139	U	21.7	U	34	U	34	U	34	U	18.1	J	34	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	23	U	45	U	2.3	J	23	UJ	23	UJ	23	U	5.1	J	23	U

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

Parameter	Units	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-ETHANE	CHLOROFORM	CHLORO-METHANE	CIS-1,2-DICHLORO-ETHENE	CIS-1,3-DICHLORO-PROPENE	CYCLOHEXANE										
		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg										
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type												
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	153000	34000	U	34000	U	34000	U	34000	U			
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	157000	23000	U	23000	U	23000	U	23000	U			
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	109000	12000	U	12000	U	12000	U	12000	U			
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	5.1	J	26	U	26	U	26	U	26	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	2.4	J	20	U	20	U	20	U	20	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	0.86	J	10	U	10	U	10	U	10	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	7.3	U	7.3	U	7.3	U	7.3	U	7.3	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	7.8	U	7.8	U	7.8	U	7.8	U	7.8	U		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	387000	2100	U	2100	U	2100	U	2100	U	2100	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	461000	5200	U	5200	U	5200	U	354	J	5200	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	60900	13	U	13	U	13	U	0.89	J	13	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	5630	13	U	13	U	13	U	13	U	13	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	84.3	J	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	25.3		5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	19.3		5.3	U	5.3	U	5.3	U	3.1	J	5.3	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	78100	4500	U	4500	U	4500	U	5470000		4500	U	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	7.7	J	11	U	11	U	11	U	11	U	11	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	529000		10000	U	10000	U	10000	U	10000	U	10000	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	346000		150000	U	150000	U	150000	U	150000	U	150000	U
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	142000		90000	U	90000	U	90000	U	90000	U	90000	U
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	68900		3000	U	3000	U	3000	U	3000	U	3000	U
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 ft	SOIL	REG	SED	130000		45000	U	45000	U	45000	U	45000	U	45000	U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	113000		7000	U	7000	U	7000	U	7000	U	7000	U
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	231		6.8	U	6.8	U	6.8	U	6.8	U	6.8	U
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	22400		2700	U	2700	U	2700	U	2700	U	2700	U
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.5833 ft	SOLID	REG	SED	3.5	J	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	1120000		620	U	620	U	620	U	620	U	280	J
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	1280		580	U	580	U	580	U	53.8	J	580	U
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	417		11	U	11	U	11	U	11	U	11	U
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	0.69	J	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	0.41	J	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	4.9	U	4.9	U	4.9	U	4.9	U	6.1	U	4.9	U
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	8.1		5	U	5	U	5	U	1140		5	U
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	5740		340	U	340	U	340	U	98.6	J	340	U
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	27900		19	U	19	U	19	U	19	U	20.3	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	5	U	5	U	5	U	5	U	5	U	5	U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	0.91	J	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	5	U	5	U	5	U	5	U	5	U	5	U
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U	4.9	U
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	49.5		12	U	12	U	12	U	12	U	12	U
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	11.2		6.8	U	6.8	U	6.8	U	6.8	U	6.8	U
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	1.2	J	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	2.3	J	5.3	U	5.3	U	5.3					

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter	CHLORO-BENZENE	CHLORO-DIBROMO-METHANE	CHLORO-ETHANE	CHLOROFORM	CHLORO-METHANE	CIS-1,2-DICHLORO-ETHENE	CIS-1,3-DICHLORO-PROPENE	CYCLOHEXANE	
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type										
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	8.7	U	8.7	U	8.7	U	8.7	U	8.7	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	5.5	U	5.5	U	5.5	U	5.5	U	5.5	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	6.1	U	6.1	U	6.1	U	6.1	U	6.1	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	5.3	U	5.3	U	5.3	U	5.3	U	5.3	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	194000		7500	U	7500	U	7500	U	7500	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	56.6		11	U	11	U	11	U	11	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	5.2	U	5.2	U	5.2	U	5.2	U	5.2	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	1700000		63000	U	63000	U	63000	U	63000	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	159	J	4.5	U	4.5	U	4.5	U	4.5	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	126		4.9	U	4.9	U	4.9	U	4.9	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	3.4	J	5.1	U	5.1	U	5.1	U	5.1	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	1.1	J	5.5	U	5.5	U	5.5	U	5.5	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	5	U	5	U	5	U	5	U	5	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	154000		2300	U	2300	U	2300	UJ	2300	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	200		5.6	U	5.6	U	5.6	U	5.6	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	26.3		20	U	20	U	20	U	20	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	8.1	U	8.1	U	8.1	U	8.1	U	8.1	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	8.7	U	8.7	U	8.7	U	8.7	U	8.7	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	8.6	U	8.6	U	8.6	U	8.6	U	8.6	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	9.3	U	9.3	U	9.3	U	9.3	U	9.3	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	4.8	U	4.8	U	4.8	U	4.8	U	4.8	U
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	468000		5600	U	5600	U	5600	U	1360000	J
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	589000		3500	U	3500	U	3500	U	2110000	J
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	88100		2800	U	2800	U	2800	UJ	2800	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	5.1	U	5.1	U	5.1	U	5.1	U	5.1	U
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	36.8		19	U	19	U	19	U	19	U
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	20.4	J	34	U	34	U	34	U	34	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	148		23	UJ	23	U	23	U	23	UJ

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter	DICHLORO-DIFLUOROMETHANE	ETHYLBENZENE	ISOPROPYL BENZENE	METHYL ACETATE	METHYL TERT-BUTYL ETHER	METHYL-CYCLOHEXANE	METHYLENE CHLORIDE	STYRENE	
									Units								
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	34000	U	11900	34000	U	34000	U	34000	U	34000
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	23000	U	6970	23000	U	4600	U	23000	U	23000
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	12000	U	4180	12000	U	2400	U	12000	U	12000
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	26	U	5.1	26	U	5.1	U	26	U	26
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	20	U	4.1	20	U	4.1	U	20	U	20
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	10	U	2.1	10	U	1.0	U	1.5	J	10
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	7.3	U	1.5	7.3	U	7.3	U	7.3	U	7.3
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	7.8	U	1.6	7.8	U	7.8	U	7.8	U	7.8
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	5.7	U	1.1	5.7	U	5.7	U	5.7	U	5.7
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	2100	U	4860	740	J	2100	U	420	J	2100
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	5200	U	5340	2000	J	5200	U	1000	J	5200
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	13	U	40	202	U	13	U	2.6	U	7.5
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	13	U	6.5	31.8	U	13	U	2.5	U	13
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	5.2	U	3.1	J	15.8	J	5.2	U	1	U
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	5.7	U	1.1	UJ	5.7	UJ	5.7	U	1.1	UJ
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	5.3	U	0.62	J	5.3	U	5.3	U	1.1	U
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	4500	U	22400	587	J	4500	U	900	J	4500
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	11	U	2.2	U	11	U	2.2	U	11.4	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	10000	U	16400	10000	U	10000	U	2000	J	10000
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	150000	U	64300	150000	U	150000	U	29000	J	150000
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	90000	U	25500	90000	U	90000	U	18000	J	90000
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	3000	U	981	3000	U	3000	U	590	J	3000
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	45000	U	8290	J	45000	U	45000	U	45000	U
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	7000	U	4390	7000	U	7000	U	1400	U	7000
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	6.8	U	32	11.4	U	6.8	U	1.4	U	9.2
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2700	U	463	J	2700	U	1350	J	540	U
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.58333 ft	SOLID	REG	SED	5.2	U	1	U	5.2	U	5.2	U	1	U
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	620	U	45300	797	U	620	U	120	U	2140
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	580	U	61.9	J	81.1	J	580	UJ	120	U
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	11	U	3	2.9	J	11	U	2.1	U	17.8
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	4.8	U	0.97	U	4.8	U	4.8	U	0.97	U
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	5.3	U	1.1	U	5.3	U	5.3	U	1.1	U
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	4.9	U	0.98	U	4.9	U	4.9	U	0.98	U
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	5	U	1.5	5	U	5	U	0.99	U	5
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	340	U	183	65.2	J	340	U	68	U	318
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	19	UJ	67.1	54.8	19	U	3.9	U	235	19
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	5	U	0.6	J	5	U	1	U	5	U
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	4.6	U	0.93	U	4.6	U	4.6	U	0.93	U
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	5.4	U	1.1	U	5.4	U	5.4	U	1.1	U
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	5	U	0.99	U	5	U	5	U	0.99	U
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	4.9	U	0.98	U	4.9	U	4.9	U	0.98	U
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	12									

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter Units	DICHLORO-DIFLUOROMETHANE	ETHYLBENZENE	ISOPROPYLBENZENE	METHYLACETATE	METHYL TERT-BUTYL ETHER	METHYL-CYCLOHEXANE	METHYLENE CHLORIDE	STYRENE
									ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type									
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED		8.7	U	1.7	U	8.7	U	1.7	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED		5.5	U	1.1	U	5.5	U	1.1	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED		6.1	U	1.2	U	6.1	U	1.2	U
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED		5.3	U	1.1	U	5.3	U	1.1	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED		7500	U	11900	J	7500	U	1500	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED		11	U	2.2	U	1.3	J	11	U
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED		5.2	U	1	U	5.2	U	1	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED		63000	U	48400		63000	U	13000	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED		4.5	U	20.9	J	0.69	J	4.5	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED		4.9	U	3.3	J	4.9	U	0.97	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED		5.1	U	1	U	5.1	U	1	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED		5.5	U	1.1	U	5.5	U	1.1	U
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED		5	U	1	U	5	U	1	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED		2300	U	27400	J	35800	J	2300	U
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED		5.6	U	4.4		3.9	J	5.6	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED		20	U	3.9	U	4	J	20	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED		8.1	U	1.6	U	8.1	U	1.6	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED		8.7	U	1.7	U	8.7	U	1.7	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED		8.6	U	1.7	U	8.6	U	1.7	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED		9.3	U	1.9	U	9.3	U	1.9	U
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.91666 ft	SOLID	REG	SED		4.8	U	0.96	U	4.8	U	0.96	U
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED		5600	U	43100	J	886	J	5600	U
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED		3500	U	77900	J	2520	J	3500	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED		2800	U	8550		930	J	2800	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED		5.4	U	1.1	U	5.4	U	5.4	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED		5.7	U	1.1	U	5.7	U	5.7	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED		5.1	U	1	U	5.1	U	1	U
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED		19	U	4		5.7	J	19	U
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED		34	U	6.9	U	34	U	6.9	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED		23	U	4.5	U	11.7	J	23	U

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

							Parameter Units	O-XYLENE ug/kg	TETRA- CHLOROETHENE ug/kg	TOLUENE ug/kg	TRANS-1,2- DICHLORO- ETHENE ug/kg	TRANS-1,3- DICHLORO- PROPENE ug/kg	TRICHLORO- ETHENE ug/kg	TRICHLORO- FLUORO- METHANE ug/kg	VINYL CHLORIDE ug/kg		
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type										
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	15000	34000	U	93600		34000	U	34000	U	
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	9750	23000	U	72500		23000	U	23000	U	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	5080	12000	U	5340		12000	U	12000	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	--	26	U	5.1	U	26	U	26	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	--	20	U	4.1	U	20	U	20	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	--	10	U	2.1	U	10	U	10	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	--	7.3	U	1.5	U	7.3	U	7.3	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	--	7.8	U	1.6	U	7.8	U	7.8	U	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	--	5.7	U	1.1	U	5.7	U	5.7	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	--	2100	U	1940		2100	U	2100	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	--	5200	U	2260		5200	U	2620	J	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	--	13	U	26		13	U	13	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	--	13	U	7		13	U	13	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	--	5.2	U	1.5		5.2	U	5.2	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	--	5.7	U	0.57	J	5.7	U	5.7	U	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	--	5.3	U	0.61	J	5.3	U	5.3	U	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	8530	262	J	839000		4500	U	472	J	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	2.2	U	11	U	2.2	U	11	U	11	U
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	10300	10000	U	326000		10000	U	10000	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	72200	150000	U	713000		150000	U	150000	U	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	41300	90000	U	367000		90000	U	90000	U	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1340	3000	U	592		3000	U	3000	U	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 ft	SOIL	REG	SED	15200	45000	U	55700		45000	U	45000	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	5510	7000	U	23200		7000	U	7000	U	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 ft	SOIL	REG	SED	33	6.8	U	49.1		6.8	U	6.8	U	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	973	2700	U	387	J	2700	U	2700	U	
Eastern Channel	SC-H.19	042111-SC-H19-00007	4/21/2011	0-0.5833 ft	SOLID	REG	SED	--	5.2	U	1	U	5.2	U	5.2	U	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	--	620	U	91000		620	U	620	U	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	--	477	J	71.1	J	580	U	580	U	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	--	11	U	6.7		2.4	J	11	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	--	4.8	U	0.97	U	4.8	U	4.8	U	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	--	5.3	U	1.1	U	5.3	U	5.3	U	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	--	4.9	U	0.98	U	4.9	U	4.9	U	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	--	3.8	J	0.99	U	19.7		5	U	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	180	340	U	86.5		340	U	340	U	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	--	19	U	71		19	U	19	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	--	5	U	1	U	5	U	5	U	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	--	4.6	U	0.93	U	4.6	U	4.6	U	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	--	5.4	U	1.1	U	5.4	U	5.4	U	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	--	5	U	0.99	U	5	U	5	U	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	--	4.9	U	0.98	U	4.9	U	4.9	U	
Southern Channel	SC-H.21	042111-SC-H21-00009	4/21/2011	0-0.75 ft	SOLID	REG	SED	--	12	U	8.8		12	U	12	U	
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	--	6.8	U	1.4	U	6.8	U	6.8	U	
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	--	4.8								

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

								Parameter Units	O-XYLENE ug/kg	TETRA-CHLOROETHENE ug/kg	TOLUENE ug/kg	TRANS-1,2-DICHLORO-ETHENE ug/kg	TRANS-1,3-DICHLORO-PROPENE ug/kg	TRICHLORO-ETHENE ug/kg	TRICHLORO-FLUOROMETHANE ug/kg	VINYL CHLORIDE ug/kg	
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type										
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	--	8.7	U	1.7	U	8.7	U	8.7	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	--	5.5	U	1.1	U	5.5	U	5.5	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	--	6.1	U	1.2	U	6.1	U	6.1	U	
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	--	5.3	U	1.1	U	5.3	U	5.3	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	--	7500	U	3310	U	7500	U	7500	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	--	11	U	2.2	U	11	U	11	U	
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	--	5.2	U	1	U	5.2	U	5.2	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	--	63000	U	231000	U	63000	U	63000	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	--	4.5	U	76.8	J	4.5	U	4.5	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	--	4.9	U	16.2	J	4.9	U	4.9	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	--	5.1	U	0.7	J	5.1	U	5.1	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	--	5.5	U	1.1	U	5.5	U	5.5	U	
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	--	5	U	1	U	5	U	5	U	
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	--	2300	U	5210	J	2300	U	2300	U	
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	--	5.6	U	1.1	U	5.6	U	5.6	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	--	20	U	1.4	J	20	U	20	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	--	8.1	U	1.6	U	8.1	U	8.1	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	--	8.7	U	1.7	U	8.7	U	8.7	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	--	8.6	U	1.7	U	8.6	U	8.6	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	--	9.3	U	1.9	U	9.3	U	9.3	U	
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	--	4.8	U	0.96	U	4.8	U	4.8	U	
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	13600	J	5600	U	493000	J	36500	J	5600	U
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	25000	J	411	J	251000	J	78900	J	3500	U
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	--	2800	U	4480		2800	U	2800	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	--	5.4	U	1.1	U	5.4	U	5.4	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	--	5.7	U	1.1	U	5.7	U	5.7	U	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	--	5.1	U	1	U	5.1	U	5.1	U	
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	4.1		19	U	3.8	U	19	U	19	U
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	6.9	U	34	U	6.9	U	34	U	34	U
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	2.2	J	23	U	4.5	U	23	U	23	U

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Comprehensive Analytical Data - VOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	XYLENES, M & P	XYLENES, TOTAL	TOTAL BENZENES	
									ug/kg	ug/kg	ug/kg	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	28800	43800	1105990		
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	18300	28100	896330		
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	5190	10300	401250		
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	--	10	U	16	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	--	8.2	U	8	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	--	4.2	U	4.26	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	--	2.9	U	ND	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	--	3.1	U	ND	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	--	2.3	U	ND	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	--	5080		403012	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	--	4480		893910	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	--	43.8		61454.9	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	--	10.4		5834.7	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	--	3.2	J	261.37	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	--	2.3	UJ	26.57	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	--	2.1	U	22.7	
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	28800	37300		412680	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	4.4	U	4.4	U	23
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	31100		41400		869987
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	161000		233000		4149100
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	83900		125000		2977700
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2410		3750		141200
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 ft	SOIL	REG	SED	16600	J	31800		970500
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	12400		17900		212480
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	106		139		6169.1
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	299	J	1270		25951
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.5833 ft	SOLID	REG	SED	--		2.1	U	3.5
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	--		238000		3244360
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	--		149	J	3953
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	--		12.9		1066.6
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	--		1.9	U	0.69
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	--		2.1	U	0.41
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	--		2	U	ND
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	--		2	U	11.6
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	36.9	J	217		8656
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	--		315		28673
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	--		3	J	ND
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	--		1.9	UJ	2.14
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	--		2.1	U	ND
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	--		2	U	ND
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	--		2	U	ND
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	--		5	U	105.5
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	--		2.7	U	19.5
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	--		1.9	U	2.09
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	--		2.1	U	3.38
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	--		2.1	U	0.55
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED	--		2.2	U	2.7
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED	--		2.5		51.4
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED	--		10	U	35.3
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED	--		2.3	U	0.79
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED	--		1.6	U	ND
Southern Channel	SC-H.23	042011-SC-H23-000014	4/20/2011	0-1.1 ft	SOLID	REG	SED	--		7.9	U	634.5
Southern Channel	SC-H.23	042011-SC-H23-016025	4/20/2011	1.3-2 ft	SOLID	REG	SED	--		2.2	U	23.3
Southern Channel	SC-H.23	042011-SC-H23-027039	4/20/2011	2.2-3.25 ft	SOLID	REG	SED	--		1.9	U	4.9
Southern Channel	SC-H.23	042011-SC-H23-039050	4/20/2011	3.25-4.1 ft	SOLID	REG	SED	--		2.2	U	5.5
Southern Channel	SC-H.23	042011-SC-H23-050062	4/20/2011	4.1-5.1 ft	SOLID	REG	SED	--		2.2	U	4.6
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	--		29600		197179
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	--	</			

Appendix A
 Universal Oil Products (UOP)
 Comprehensive Analytical Data - VOCs, 2006 - 2011

Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Samp Type	Parameter Units	XYLENES, M & P	XYLENES, TOTAL	TOTAL BENZENES
									ug/kg	ug/kg	ug/kg
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	--	3.5	U	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	--	2.2	U	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	--	2.4	U	ND
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	--	2.1	U	ND
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	--	24800		216560
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	--	8.2		76.3
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	--	2.1	U	ND
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	--	141000		4146870
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	--	61.3	J	281.8
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	--	9.2	J	288.7
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	--	2	U	5.6
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	--	2.2	U	1.1
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	--	2	U	ND
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	--	92100	J	457868
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	--	13.7		315.5
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	--	10.4		67.8
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	--	3.2	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	--	3.5	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	--	3.4	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-051057	4/22/2011	4.25-4.75 ft	SOLID	REG	SED	--	3.7	U	ND
Eastern Meander Channel	SC-H.29	042211-SC-H29-059071	4/22/2011	4.9166-5.9166 ft	SOLID	REG	SED	--	1.9	U	ND
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	46700	J	60300	J 840620
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	80300	J	105000	J 1327320
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	--	21200		119177
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	--	2.1	U	ND
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	--	2.3	U	ND
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	--	2	U	ND
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	1.9	J	5.9	J 121.3
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	14	U	14	U 63.5
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	9.1	U	2.2	J 203.5

Notes:

-- = Not analyzed

ND = Not detected

U = Indicates the compound was analyzed but not detected

J = Indicates an estimated value. All tentatively identified compound (TICs) and results below the MDL receive this qualifier

D = Indicates results from a diluted sample

Appendix A
Universal Oil Products (UOP)
Physical Parameters

Parameter								CHLORIDE	PERCENT MOISTURE	pH	REACTIVE SULFIDE	TOTAL ORGANIC CARBON	TOTAL SOLIDS	METHYL MERCURY		
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Sample Type									
								mg/kg	%	S.U.	mg/kg	mg/kg	PERCENT	ng/g		
Northern Channel	SC-H.1	040610-SC-H.1-0002	4/6/2010	0-2 ft	SOIL	REG	SED	800	51.8	--	--	--	--	--	--	
Northern Channel	TC-A1	040610-TC-A1-0000	4/6/2010	0-0 ft	SOIL	REG	WC	--	84.6	--	363	--	--	--	--	
Northern Channel	SC-H.2	040610SC-H.2-0002	4/6/2010	0-2 ft	SOIL	REG	SED	653	34	--	--	--	--	--	--	
Northern Channel	SC-H.3	040610SC-H.3-0002	4/6/2010	0-2 ft	SOIL	REG	SED	1320	75.9	--	--	--	--	--	--	
Northern Channel	SC-H.3	040610SC-H.3-0002-D	4/6/2010	0-2 ft	SOIL	FD	SED	1670	99.2	--	--	--	--	--	--	
Eastern Channel	CO-H.14	040710-CO-H.14-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1530	72.8	--	--	--	--	--	--	
Eastern Channel	CO-H.16	040710-CO-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1060	45.7	--	--	--	--	--	--	
Eastern Channel	CO-H.18	040710-CO-H.18-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	916	50.4	--	--	--	--	--	--	
Eastern Channel	SC-H.13	040710-SC-H.13-0002	4/7/2010	0-2 ft	SOIL	REG	SED	759	69.2	--	--	--	--	--	--	
Eastern Channel	SC-H.14	040710-SC-H.14-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1380	69.3	--	--	--	--	--	--	
Eastern Channel	SC-H.14	040710-SC-H.14-0002-D	4/7/2010	0-2 ft	SOIL	FD	SED	1530	92.4	--	--	--	--	--	--	
Eastern Channel	SC-H.15	040710-SC-H.15-0002	4/7/2010	0-2 ft	SOIL	REG	SED	1260	48	--	--	--	--	--	--	
Eastern Channel	SC-H.16	040710-SC-H.16-0002	4/7/2010	0-2 Ft	SOIL	REG	SED	1060	42	--	--	--	--	--	--	
Eastern Channel	SC-H.17	040710-SC-H.17-0002	4/7/2010	0-2 ft	SOIL	REG	SED	2640	94.3	--	--	--	--	--	--	
Eastern Channel	SC-H.17	040710-SC-H.17-0203	4/7/2010	2-3 Ft	SOIL	REG	SED	1360	49.6	--	--	--	--	--	--	
Eastern Channel	SC-H.18	040710-SC-H.18-0002	4/7/2010	0-2 ft	SOIL	REG	SED	793	60.3	--	--	--	--	--	--	
Eastern Channel	TC-A5	040710-TC-A5-0000	4/7/2010	0-0 ft	SOIL	REG	WC	--	61.3	--	399	--	--	--	--	
Lagoon	SC-H.5	040810-SC-H.5-0002	4/8/2010	0-2 ft	SOIL	REG	SED	4610	236	--	--	--	--	--	--	
Lagoon	SC-H.6	040810-SC-H.6-0002	4/8/2010	0-2 ft	SOIL	REG	SED	2250	119	--	--	--	--	--	--	
Lagoon	SC-H.11	041210-SC-H.11-0002	4/12/2010	0-2 ft	SOIL	REG	SED	1580	46.4	--	--	--	--	--	--	
Lagoon	SC-H.9	041210-SC-H.9-0002	4/12/2010	0-2 ft	SOIL	REG	SED	6800	336	--	--	--	--	--	--	
Lagoon	TC-A3	041210-TC-A3-0000	4/12/2010	0-0 ft	SOIL	REG	WC	--	170	--	398	--	--	--	--	
Berm	TC-A4	041310-TC-A4-0000	4/13/2010	0-0 ft	SOIL	REG	WC	--	161	--	260	U	--	--	--	
Eastern Meander Channel	SC-H.28	041911-SC-H28-000028	4/19/2011	0-2.3 ft	SOIL	REG	SED	7150	--	7.6	--	--	--	--	--	
Eastern Meander Channel	SC-H.28	041911-SC-H28-035047	4/19/2011	2.9-3.9 ft	SOIL	REG	SED	409	--	7.58	--	--	--	--	--	
Eastern Meander Channel	SC-H.30	041911-SC-H30-000024	4/19/2011	0-2 ft	SOIL	REG	SED	4790	--	7.56	--	--	--	--	--	
Eastern Meander Channel	SC-H.30	041911-SC-H30-036048	4/19/2011	3-4 ft	SOIL	REG	SED	735	--	8.47	--	--	--	--	--	
Eastern Meander Channel	SC-H.30	041911-SC-H30-048054	4/19/2011	4-4.5 ft	SOIL	REG	SED	674	--	8.4	--	--	--	--	--	
Eastern Meander Channel	SC-H.30	041911-SC-H30-054061	4/19/2011	4.5-5 ft	SOIL	REG	SED	735	--	7.64	--	--	--	--	--	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-001	6/25/2010	0-0.5 ft	SOIL	REG	SED	--	--	--	--	15400	71.81	0.215		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-002	6/25/2010	0.5-1 ft	SOIL	REG	SED	--	--	--	--	39700	54.25	0.123		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-003	6/25/2010	1-2 ft	SOIL	REG	SED	--	--	--	--	71500	49.99	1.05		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-004	6/25/2010	2-3.1 ft	SOIL	REG	SED	--	--	--	--	46400	49.53	0.68		
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005	6/25/2010	3.4-4.5 ft	SOIL	REG	SED	--	--	--	--	1200	U	82.33	0.056	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-005-D	6/25/2010	3.4-4.5 ft	SOIL	FD	SED	--	--	--	--	1710	U	83.51	0.021	
Eastern Channel	SC-4C.3B	062510-SD-SC-4C3-006	6/25/2010	4.5-5.4 ft	SOIL	REG	SED	--	--	--	--	2500	U	78.98	0.016	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-001	6/28/2010	0-0.5 ft	SOIL	REG	SED	--	--	--	--	94900	35.11	45.8	J	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-002	6/28/2010	0.5-1 ft	SOIL	REG	SED	--	--	--	--	57900	45.57	9.63	J-N	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-003	6/28/2010	1-2 ft	SOIL	REG	SED	--	--	--	--	37400	63.08	0.356	J-N	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004	6/28/2010	2.2-4 ft	SOIL	REG	SED	--	--	--	--	9450	70.39	0.018	J	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-004-D	6/28/2010	2.2-4 ft	SOIL	FD	SED	--	--	--	--	9400	77.05	0.022	J	
Eastern Meander Channel	SC-4C.10	062810-SD-SC-4C10-005	6/28/2010	4-4.8 ft	SOIL	REG	SED	--	--	--	--	4470	76.76	0.019	J	
Berm	B1	B1A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	--	--	8.1	--	2244	--	--		
Berm	B1	B1B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	--	--	4.7	--	7368	--	--		
Berm	B1	B1C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	--	--	5.1	--	8865	--	--		
Berm	B1	B1D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	--	--	6.6	--	27647	--	--		
Berm	B2	B2A	11/18/2005	0-1 FT	SOIL	REG	S-SOIL	--	--	6.9	--	51250	--	--		
Berm	B2	B2B	11/18/2005	1-2 FT	SOIL	REG	S-SOIL	--	--	7.3	--	57895	--	--		
Berm	B2	B2C	11/18/2005	2-3 FT	SOIL	REG	S-SOIL	--	--	6.6	--	64783	--	--		
Berm	B2	B2D	11/18/2005	3-4 FT	SOIL	REG	S-SOIL	--	--	6.7	--	74600	--	--		
Northern Channel	S02	Dup3A	12/7/2005	0-2 FT	SOIL	FD	SED	--	--	7.6	--	1739	--	--		
Northern Channel	S02	Dup3B														

Appendix A
Universal Oil Products (UOP)
Physical Parameters

Parameter								CHLORIDE	PERCENT MOISTURE	pH	REACTIVE SULFIDE	TOTAL ORGANIC CARBON	TOTAL SOLIDS	METHYL MERCURY		
Area	Location ID	Field Sample ID	Sample Date	Sample Depth	Matrix	Purpose	Sample Type									
								mg/kg	%	S.U.	mg/kg	mg/kg	PERCENT	ng/g		
Eastern Channel	SC-H.25	042011-SC-H25-000024	4/20/2011	0-2 ft	SOLID	REG	SED	4070	--	7.07	9.1	U	--	35.3	--	
Eastern Meander Channel	SC-H.25	042011-SC-H25-024036	4/20/2011	2-3 ft	SOLID	REG	SED	5560	--	7.24	10	U	--	31	--	
Eastern Meander Channel	SC-H.25	042011-SC-H25-041053	4/20/2011	3.4-4.4 ft	SOLID	REG	SED	1710	--	6.41	4.8	U	--	66.6	--	
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067	4/20/2011	4.4-5.5 ft	SOLID	REG	SED	665	J	--	7.94	4.6	U	--	84.8	--
Eastern Meander Channel	SC-H.25	042011-SC-H25-053067-D	4/20/2011	4.4-5.5 ft	SOLID	FD	SED	342	J	--	8.09	4.6	U	--	85.5	--
Eastern Meander Channel	SC-H.25	042011-SC-H25-072080	4/20/2011	6-6.6 ft	SOLID	REG	SED	781	--	7.67	5	U	--	79.8	--	
Eastern Meander Channel	SC-H.26	042011-SC-H26-000020	4/20/2011	0-1.6 ft	SOLID	REG	SED	2140	--	7.68	6.9	U	--	58.6	--	
Eastern Meander Channel	SC-H.26	042011-SC-H26-022035	4/20/2011	1.8-2.9 ft	SOLID	REG	SED	2410	--	6.86	7	U	--	57.8	--	
Eastern Meander Channel	SC-H.26	042011-SC-H26-040052	4/20/2011	3.3-4.3 ft	SOLID	REG	SED	656	--	7.47	5.2	U	--	79.6	--	
Eastern Channel	SC-H.19	042111-SC-H19-000007	4/21/2011	0-0.5833 ft	SOLID	REG	SED	221	--	7.4	4.7	U	--	85.9	--	
Eastern Channel	SC-H.19	042111-SC-H19-008020	4/21/2011	0.6666-1.666 ft	SOLID	REG	SED	662	--	7.87	15.1	J	--	59.3	--	
Eastern Channel	SC-H.19	042111-SC-H19-020026	4/21/2011	1.7-2.1666 ft	SOLID	REG	SED	346	--	7.57	33.5	U	--	65.2	--	
Eastern Channel	SC-H.19	042111-SC-H19-029038	4/21/2011	2.4166-3.1666 ft	SOLID	REG	SED	289	--	6.68	6.7	U	--	59.5	--	
Eastern Channel	SC-H.19	042111-SC-H19-039051	4/21/2011	3.25-4.25 ft	SOLID	REG	SED	99.6	--	6.77	4.5	U	--	87.4	--	
Eastern Channel	SC-H.19	042111-SC-H19-039051-D	4/21/2011	3.25-4.25 ft	SOLID	FD	SED	109	--	6.92	4.6	U	--	86.6	--	
Eastern Channel	SC-H.19	042111-SC-H19-051059	4/21/2011	4.25-4.91666 ft	SOLID	REG	SED	122	--	7.11	4.4	U	--	91	--	
Eastern Channel	SC-H.19	042111-SC-H19-059069	4/21/2011	4.91666-5.75 ft	SOLID	REG	SED	205	--	7.97	4.7	U	--	85.5	--	
Eastern Channel	SC-H.20	042111-SC-H20-000022	4/21/2011	0-1.833 ft	SOLID	REG	SED	3070	--	7.55	11	U	--	35	--	
Eastern Channel	SC-H.20	042111-SC-H20-024036	4/21/2011	2-3 ft	SOLID	REG	SED	723	--	7.56	4.6	U	--	83.2	--	
Eastern Channel	SC-H.20	042111-SC-H20-024036-D	4/21/2011	2-3 ft	SOLID	FD	SED	725	--	7.66	4.7	U	--	84.3	--	
Eastern Channel	SC-H.20	042111-SC-H20-036048	4/21/2011	3-4 ft	SOLID	REG	SED	745	--	7.89	4.7	U	--	84.6	--	
Eastern Channel	SC-H.20	042111-SC-H20-048056	4/21/2011	4-4.6666 ft	SOLID	REG	SED	681	--	7.71	4.6	U	--	86.9	--	
Eastern Channel	SC-H.20	042111-SC-H20-057063	4/21/2011	4.75-5.25 ft	SOLID	REG	SED	796	--	7.57	4.7	U	--	82	--	
Southern Channel	SC-H.21	042111-SC-H21-000009	4/21/2011	0-0.75 ft	SOLID	REG	SED	2140	--	7.43	7.2	U	--	54.6	--	
Southern Channel	SC-H.21	042111-SC-H21-012020	4/21/2011	1-1.6666 ft	SOLID	REG	SED	758	--	7.32	7.5	U	--	77.8	--	
Southern Channel	SC-H.21	042111-SC-H21-022034	4/21/2011	1.833-2.833 ft	SOLID	REG	SED	635	--	8.8	5.9	U	--	83.6	--	
Southern Channel	SC-H.21	042111-SC-H21-034046	4/21/2011	2.8333-3.8333 ft	SOLID	REG	SED	736	--	8.29	7	U	--	85.4	--	
Southern Channel	SC-H.21	042111-SC-H21-034046-D	4/21/2011	2.8-3.8 ft	SOLID	FD	SED	777	--	8.25	6.9	U	--	86.4	--	
Southern Channel	SC-H.21	042111-SC-H21-046051	4/21/2011	3.8-4.25 ft	SOLID	REG	SED	641	--	7.98	5.7	U	--	87.3	--	
Southern Channel	SC-H.21	042111-SC-H21-053065	4/21/2011	4.41666-5.41666 ft	SOLID	REG	SED	602	--	7.49	11.9	U	--	83.1	--	
Southern Channel	SC-H.22	042111-SC-H22-000008	4/21/2011	0-0.6666 ft	SOLID	REG	SED	4680	--	6.48	15	U	--	27	--	
Southern Channel	SC-H.22	042111-SC-H22-010023	4/21/2011	0.8333-1.91666 ft	SOLID	REG	SED	554	--	7.53	4.7	U	--	85.2	--	
Southern Channel	SC-H.22	042111-SC-H22-025037	4/21/2011	2.0833-3.08333 ft	SOLID	REG	SED	548	--	7.98	4.5	U	--	87.7	--	
Eastern Channel	SC-H.24	042211-SC-H24-000026	4/22/2011	0-2.1666 ft	SOLID	REG	SED	3670	--	8.03	9.5	U	--	41.6	--	
Eastern Channel	SC-H.24	042211-SC-H24-028037	4/22/2011	2.333-3.08333 ft	SOLID	REG	SED	1210	--	7.07	5.5	U	--	72.1	--	
Eastern Channel	SC-H.24	042211-SC-H24-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	553	--	7.52	4.9	U	--	79.6	--	
Eastern Meander Channel	SC-H.27	042211-SC-H27-000014	4/22/2011	0-1.166 ft	SOLID	REG	SED	3290	--	7.65	9.7	U	--	40.8	--	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026	4/22/2011	1.1666-2.1666 ft	SOLID	REG	SED	598	--	7.79	4.7	U	--	85	--	
Eastern Meander Channel	SC-H.27	042211-SC-H27-014026-D	4/22/2011	1.1666-2.1666 ft	SOLID	FD	SED	623	--	7.75	4.7	U	--	84.3	--	
Eastern Meander Channel	SC-H.27	042211-SC-H27-026038	4/22/2011	2.1666-3.1666 ft	SOLID	REG	SED	730	--	7.74	4.6	U	--	84.2	--	
Eastern Meander Channel	SC-H.27	042211-SC-H27-038048	4/22/2011	3.1666-4 ft	SOLID	REG	SED	706	--	7.84	4.7	U	--	83.2	--	
Eastern Meander Channel	SC-H.27	042211-SC-H27-050059	4/22/2011	4.1666-4.91666 ft	SOLID	REG	SED	807	--	7.68	4.9	U	--	80.5	--	
Eastern Meander Channel	SC-H.29	042211-SC-H29-000025	4/22/2011	0-2.0833 ft	SOLID	REG	SED	5250	--	7.08	11	U	--	36.2	--	
Eastern Meander Channel	SC-H.29	042211-SC-H29-027039	4/22/2011	2.25-3.25 ft	SOLID	REG	SED	2300	--	6.82	6.6	U	--	59.7	--	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051	4/22/2011	3.25-4.25 ft	SOLID	REG	SED	2570	--	6.37	6.9	U	--	57.5	--	
Eastern Meander Channel	SC-H.29	042211-SC-H29-039051-D	4/22/2011	3.25-4.25 ft	SOLID	FD	SED	2590	--	6.17	6.6	U	--	59		

Appendix B
Sediment Core Logs



CH2MHILL

Project Name: UOP - Pre-Design Sampling Event
Project Number: 413366.HW.40.46
Project Location: East Rutherford, NJ
Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC - H-19										Survey Duration: April 10, 2011 - April 22, 2011	Attempt 1	Refusal? Y/N						
Sampling	M. Murphy / M. Velasquez & Northing: 727075.02										Penetration (ft):	7' 3"							
Crew/Company	Athena										Recovery (ft):	5' 4"							
											Date/Time:	4/21/11 0946							
Adam Freeze																			
Palmer McClellan																			
Vessel:	Custom MSP										Attempt 2	Refusal? Y/N							
Collection:	vibracore										Penetration (ft):								
Collector Information:	D. Lubell/CH2M HILL										Recovery (ft):								
											Date/Time:								
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency	Density	Cementation/ Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments			
17"	SP	10YR 4/6	VS	N	H	Wet	MS	UNC	0%	100%	0%	2.5	8.1	A	>VUC	14g			
8"	CL	10YR 2/1	VS	N	H	Wet	FS	UNC	0%	20%	80%	2.4	12.6	B,C,D	>VUC	2.66 1.28 0.91			
20"												12.3	0.0	E	>VUC	1.1			
26"	Transition										SAMPLE								0.35
29"	ML	10YR 3/1	S	W	H	Moist	VFS	UNC	0%	54%	95%	2.1	1.4	F	>VUC	0.64			
38"												1.7				0.53			
39"	Transition										SAMPLE								0.00
45"	SP-SM	10YR 3/1	F	N	H	Moist	VFS	UNC	0%	95%	5%	0.8	1.9	G,H	>VUC	0.0 0.0			
59"		4/6										3.5				3.5			
65"	CL	10YR 5/2	H	S	H	Dry	VFS	UNC	0%	2%	98%	0.0	2.7	E	>VUC	0.59 (0.54)			
69"												3.1				4.63			
6		10YR 5/1														middle of interval			
7																			
8																			
9																			
10																			
Additional Notes/Comments:																			

Additional Notes/Comments:

* Collected three additional cores at this location for treatability analysis 1st attempt only.

Attempt 2: Penetration = 7' 5"

Attempt 9: Penetration = 7'3"

Attempt 3: Penetration = 7' 3" Recovery = 519"

* Phragmite fragments / roots from 18" - 20"

tot sp - sm & strong odor, some silt, presence of some black staining
spots throughout interval

++ + sp (7°-8°) → trace of staining observed, strong color.

TREATABILITY SAMPLE

042211-CO-05-EASTCHAN

Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/ Density	Cementation/ Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

Sample Summary:

Sample ID	Sample Type (N/FD/MSD)	Sample Date/Time	Depth Interval (ft (in))	VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Mercury	Chloride	Sulfide
				X	X	X					
A 042111-SC-H19-000007	N	4/21/11 1240	0-7"	X	X	X	X	X	X	X	X
B 042111-SC-H19-008020	N		8-20	X	X	X	X	X	X	X	X
C 042111-SC-H19-008020-MS	MS		1300	X	X	X	X	X	X	X	X
D 042111-SC-H19-008020-MSD	MSD		1300	X	X	X	X	X	X	X	X
E 042111-SC-H19-020020	N		1345	X	X	X	X	X	X	X	X
F 042111-SC-H19-029038	N		1400	X	X	X	X	X	X	X	X
G 042111-SC-H19-039051	N		1420	X	X	X	X	X	X	X	X
H 042111-SC-H19-039051-D	FD		39-51	X	X	X	X	X	X	X	X
I 042111-SC-H19-051059	N		1430	X	X	X	X	X	X	X	X
J 042111-SC-H19-059069	N		59-69	X	X	X	X	X	X	X	X
K											
L											
M											
N											
O											
P											
Q											
R											
S											
T											
U											

Reviewed by: Michael Murphy/CfZM HILL

Date: 4/22/11



CH2MHILL

Project Name: UOP - Pre-Design Sampling Event
 Project Number: 413366.HW.40.46
 Project Location: East Rutherford, NJ
 Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC-H20		Eastng:	605 086.34		Attempt 1	Penetration (ft):	7' 1"	Refusal? Y/N						
Sampling:	Dave Lubell/E. Bauer		Northng:	727 003.32			Recovery (ft)	6' 7"							
Crew/Company:	Athenex		Elevation:				Date/Time:	4/20/11 0944							
	Adam Freeze		Datum:	NJSP Zone 2900											
	Palmer McClellan		Depth (ft):	216"											
Vessel:	Custom MSP		St. Arrival:	0940											
Collection:	vibracore		St.Depart:	0958											
Collector Information:	D. Lubell/CH2M HILL		Logged by:	M. Velasquez/CH2M HILL											
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
0'	OL	10yR 2/1	VS	N	H	Wet	VFS	UNC	0%	15%	85%	0.4 5.0 1.7 0.0	A	Hg	
22"														5.92 3.77 2.5 1.60	
24"			↓ Transition		Zone		↓	↓						1.47 (T2)	
36"	SP-SML	10yR 3/1 w/ 10yR 4/6	F	N	M	Mott	FS	UNC	0%	95%	5%	0.9 0.3	B/C	0.51 0.70	
48"														0.69	
56"			↓ Transition		Zone	- no sample								0.68	
63"	CL	10yR 4/6	H	S	M	Dry	VFS	N	0%	45%	55%	0.1	F	0.00 (T2) 0.56	
6		w/ 2.5yR 5/1													
7															
8															
9															
10															
Additional Notes/Comments:															
<ul style="list-style-type: none"> * OL → organic matter, phragmite roots observed in this interval (0 - 22") * SP → trace of blonde staining throughout interval (24" - 56") * SML * CL → mottled, light gray w/ light red. 															

TREATABILITY SAMPLE

042211-CO-04-EASTCHAN

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/ Density	Cementation/ Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/FD/MSD)	Sample Date/Time	Depth Interval (DRM)	VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Mercury	Chloride	Sulfide
A 042111-SC-H20-0000022	N	4/21/11 1300	0-22	X	X	X	X	X	X	X	X
B 042111-SC-H20-024036	N	1315	24-36	X	X	X	X	X	X	X	X
C 042111-SC-H20-024036-D	FD	1315	24-36	X	X	X	X	X	X	X	X
D 042111-SC-H20-036048-	N	1330	36-48	X	X	X	X	X	X	X	X
E 042111-SC-H20-048056	N	1345	48-56	X	X	X	X	X	X	X	X
F 042111-SC-H20-057063	N	1400	57-63	X	X	X	X	X	X	X	X
G											
H											
I											
J											
K											
L											
M											
N											
O											
P											
Q											
R											
S											
T											
U											

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11



CH2MHILL

Project Name: UOP - Pre-Design Sampling Event
 Project Number: 413366.HW.40.46
 Project Location: East Rutherford, NJ
 Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC-H.21		Easting:	605603.25		Attempt 1	Refusal? Y/N								
Sampling:	M. Velasquez / E. Bouyez		Northing:	726953.26		Penetration (ft):	6'0"								
Crew/Company:	Athena		Elevation:			Recovery (ft)	4'3"								
	Adam Freeze		Datum:	NJSP Zone 2900		Date/Time:	4/20/11 1209								
	Palmer McClellan		Depth (ft):	3'7"			Sampled								
Vessel:			St. Arrival:	1236		Attempt 2	6'5"								
Collection:	vibracore		St. Depart:	1256		Penetration (ft):	5'7"								
Collector Information:	D. Lubell/CH2M HILL		Logged by:	M. Velasquez/CH2M HILL		Recovery (ft)	4'2"								
						Date/Time:	4/20/11 1246								
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
9"	OL	10YL 2/2	VS	N	H	Wet	FS	N	0%	30%	70%	0.2	A	Hg	
12"														1.84	
12"	ML	10YR 5/1	H	W	H	Moist	YES	N	0%	20%	80%	0.1			
20"												0.2	B		
22"															
34"	SP-SM	10YL 4/1	F	W	H	Moist	FS	N	0%	50%	50%	0.2	C		
46"			S	N					↓	↓	↓	0.4	D/E		
51"												0.1	F		
53"	CL	2.5YL 5/1	H	M	M	Moist	FS	N	0%	20%	80%	0.0	G		
55"												0.0		vvc @ middle of	
65"												0.0		no sample. Directed	
67"														to sample first foot of clay per APM	
7															
8															
9															
10															
Additional Notes/Comments:															
<ul style="list-style-type: none"> * Core opened on 4/21/11 @ 0845 AM * OL - organic, phragmites and root content in interval, high sand content * CL - clay interbedded w/ sand. No sample from 65" - 67" 															
** NO TREATABILITY COMP. SAMPLE REQUIRED @ THIS LOCATION.															

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/FD/MSD)	Sample Date/Time	Depth Interval (ft)				VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Mercury	Chloride	Sulfide	
			0-9	12-20	22-34	34-46									
A 042111-SC-H21-0000009	N	4/21/11 0925	0-9	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	
B 042111-SC-H21-012020	N	0945	12-20	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	
C 042111-SC-H21-022034	N	0955	22-34	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	
D 042111-SC-H21-034046	N	1005	34-46	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	
E 042111-SC-H21-034046-D	FD	1005	34-46	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	
F 042111-SC-H21-046051	N	1015	46-51	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	
G 042111-SC-H21-053005	N	1025	53-65	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	
H															
I															
J															
K															
L															
M															
N															
O															
P															
Q															
R															
S															
T															
U															

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11

Station ID: <i>SC-H-22</i>	Easting: <i>605632.96</i>	Attempt 1	Refusal? Y/N																																																																																																																																																																																																																																								
Sampling <i>M. Velasquez / E. Bowyer</i>	Northing: <i>720913.37</i>	Penetration (ft): <i>6' 1"</i>																																																																																																																																																																																																																																									
Crew/Company	Elevation:	Recovery (ft)																																																																																																																																																																																																																																									
	Datum: NJSP Zone 2900	Date/Time: <i>4/20/11 1155</i>																																																																																																																																																																																																																																									
Vessel:	Depth (ft): <i>316"</i>	Attempt 2	Refusal? Y/N																																																																																																																																																																																																																																								
Collection: vibracore	St. Arrival: <i>1146</i>	Penetration (ft):																																																																																																																																																																																																																																									
Collector Information: D. Lubell/CH2M HILL	St.Depart: <i>1204</i>	Recovery (ft):																																																																																																																																																																																																																																									
	Logged by: M. Velasquez/CH2M HILL	Date/Time:																																																																																																																																																																																																																																									
<table border="1"> <thead> <tr> <th>Depth below mudline (ft)</th> <th>Lithology</th> <th>Type</th> <th>Color (Munsell)</th> <th>Consistency</th> <th>Density</th> <th>Cementation</th> <th>Plasticity</th> <th>Structure</th> <th>Moisture Content</th> <th>Maximum particle size</th> <th>Odor</th> <th>% gravel</th> <th>% sand</th> <th>% fines</th> <th>PID Reading (ppm)</th> <th>Sample IDs (Single Letter)</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>8"</td> <td>OL</td> <td>10 yr 2/1</td> <td>VS</td> <td>N</td> <td>H</td> <td>wet</td> <td>VFS</td> <td>N</td> <td>0%</td> <td>5%</td> <td>95%</td> <td>8.8</td> <td>A</td> <td>G.48</td> <td></td> </tr> <tr> <td>10"</td> <td>ML</td> <td>10 yr 4/1</td> <td>Transition</td> <td>Zone - no sample</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td> <td>C1</td> <td>4.23</td> <td></td> </tr> <tr> <td>18"</td> <td>↓</td> <td></td> <td>0</td> <td></td> <td>2.81</td> <td></td> </tr> <tr> <td>23"</td> <td>SP-SM</td> <td>10 yr 4/1</td> <td>4/1</td> <td>H</td> <td>N</td> <td>↓</td> <td>Dry</td> <td>VFS</td> <td>N</td> <td>0%</td> <td>80%</td> <td>20%</td> <td>0</td> <td>B/C</td> <td>1.96 (T2)</td> </tr> <tr> <td>25"</td> <td></td> <td>0</td> <td>D</td> <td>0.87</td> <td></td> </tr> <tr> <td>37"</td> <td>CL</td> <td>2.5 yr 4/1</td> <td>H</td> <td>S</td> <td>M</td> <td>Dry</td> <td>VFS</td> <td>N</td> <td>0%</td> <td>10%</td> <td>90%</td> <td>0</td> <td>E</td> <td>0.92</td> <td></td> </tr> <tr> <td>48"</td> <td>↓</td> <td>W 2.5 yr 5/2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td>0.88</td> <td></td> </tr> <tr> <td>5</td> <td></td> <td>U/ 5/1 4/4</td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td>6</td> <td></td> <td>0.53</td> <td></td> </tr> <tr> <td>7</td> <td></td> <td>0.59</td> <td>37"-48"</td> </tr> <tr> <td>8</td> <td></td> </tr> <tr> <td>9</td> <td></td> </tr> <tr> <td>10</td> <td></td> </tr> </tbody> </table>				Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency	Density	Cementation	Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments	8"	OL	10 yr 2/1	VS	N	H	wet	VFS	N	0%	5%	95%	8.8	A	G.48		10"	ML	10 yr 4/1	Transition	Zone - no sample								0.5	C1	4.23		18"	↓											0		2.81		23"	SP-SM	10 yr 4/1	4/1	H	N	↓	Dry	VFS	N	0%	80%	20%	0	B/C	1.96 (T2)	25"												0	D	0.87		37"	CL	2.5 yr 4/1	H	S	M	Dry	VFS	N	0%	10%	90%	0	E	0.92		48"	↓	W 2.5 yr 5/2										0		0.88		5		U/ 5/1 4/4													0.0		6															0.53		7															0.59	37"-48"	8																	9																	10																
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency	Density	Cementation	Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments																																																																																																																																																																																																																										
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10"	ML	10 yr 4/1	Transition	Zone - no sample								0.5	C1	4.23																																																																																																																																																																																																																													
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5		U/ 5/1 4/4													0.0																																																																																																																																																																																																																												
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Additional Notes/Comments:																																																																																																																																																																																																																																											
<ul style="list-style-type: none"> * core opened on 4/2/11 @ 1100 AM * No sample collected from 37"-48" clay * wood chips at 16", phragmites roots @ 16"-18" ** NO TREATABILITY cores sample required @ this location 																																																																																																																																																																																																																																											

Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/ Density	Cementation/ Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments	
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
Sample Summary:																
Sample ID				Sample Type (N/FD/MSD)	Sample Date/Time			Depth Interval (ft)	SVOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Mercury	Chloride	Sulfide
A	042111-SC-H22-00008	N	4/21/11	1130			0-8	X	X	X	X	X	X	X	X	
B	042111-SC-H22-010023	N		1145			10-23	X	X	X	X	X	X	X	X	
C	042111-SC-H22-010023-01S	MS		1145			10-23	X	X	X	X	X	X	X	X	
D	042111-YT-H22-010023-MSD	MSD		1145			10-23	X	X	X	X	X	X	X	X	
E	042111-SC-H22-025037	N		1200			25-37	X	X	X	X	X	X	X	X	
F																
G																
H																
I																
J																
K																
L																
M																
N																
O																
P																
Q																
R																
S																
T																
U																
Reviewed by: Michael Murphy/CH2M HILL								Date:	4/22/11							



CH2MHILL

Project Name: UOP - Pre-Design Sampling Event
 Project Number: 413366.HW.40.46
 Project Location: East Rutherford, NJ
 Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC-4.23	Easting:	605713.54	Attempt 1	Penetration (ft):	6'5"	Refusal? Y/N	O
Sampling:	M Velasquez, E. Buijzer	Northing:	726871.48		Recovery (ft)	3'9" $\frac{3}{8}$		
Crew/Company:	Athenca	Elevation:		Date/Time:	4/20/11 13:00			
	Adrian Freyre	Datum:	NJSP Zone 2900	Attempt 2	6'3"	scraped	Refusal? Y/N	O
	Palmer McClellan	Depth (ft):	4'5"		5'2"			
Vessel:	Custom UWP	St. Arrival:	13:00	Date/Time:	4/20/11 13:10			
Collection:	vibracore	St. Depart:	13:29					
Collector Information:	M. Velasquez/CH2M HILL	Logged by:	M. Velasquez/CH2M HILL					

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
1	0L	10yr 2/1	VS	N	H	Wet	VFS	N	0%	2%	98%	0.2 2.0 11.2	A		Hg	
14"		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			5.48 3.48 (0-14") 2.37	
16"	ML	10yr 5/1	H	M	H	Moist	VFS	N	0%	5%	95%	2.1 1.3 1.3	B		1.82 (T+)	
25"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			0.81 0.76 (16"-25") 0.66	
27"	SP. SM	10yr 5/1 10yr 3/2	F	N	H	Moist	FS	N	0%	80%	20%	1.4 0.8 1.3	C		0.72 (TZ) 0.42 0.60 (27"-30") 0.65	
30"		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			0.74 0.74 (30"-30") 0.75	
45"	CL	2.5yr 4/1	H	S	M	Moist	VFS	N	0%	2%	98%	0.4 0.5 0.0	E			
60"		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓				
6		2.5yr 4/2													0.90 0.87 (50"-60") 0.48	
7																
8																
9																
10																

Additional Notes/Comments:

- * Attempt 1 - no sample, clay not encountered. Post material @ bottom of last interval ~ 4.0"
- * Attempt 2 - sample, clay encountered @ 50"
- * Significant organic content from 0.0"-14"
- * ML - clayey silt, low to med. plasticity w/ phragmites fragments
- * SP-SM - silty sand; 10yr 5/1 (27"-30") and 10yr 3/2 (30"-30")
- * CL - nodules of 10 yr 4/0 observed

** NO TREATABILITY SAMPLE REQUIRED @ THIS LOCATION

Sample Summary:

Reviewed by: Michael Murphy/CH2M HILL

Date:

4/22/11



CH2MHILL

Project Name: UOP - Pre-Design Sampling Event
 Project Number: 413366.HW.40.46
 Project Location: East Rutherford, NJ
 Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC-H24	Easting:	605384.79	Attempt 1	Refusal? Y/N										
Sampling	M. Velasquez / E. B. Young	Northing:	210834.46	Penetration (ft):	70'										
Crew/Company	Athen	Elevation:		Recovery (ft):	41' 6"										
	Adriana Trejo	Datum:	NJSP Zone 3100 2900	Date/Time:	4/20/11 @ 0918										
	Palmer McClellan	Depth (ft):	2' 4" 3												
Vessel:	Custom M/S	St. Arrival:	0908	Attempt 2	Refusal? Y/N										
Collection:	vibracore	St. Depart:	0929	Penetration (ft):											
Collector Information:	D. Lubell/CH2M HILL	Logged by:	M. Velasquez/CH2M HILL	Recovery (ft):											
						Date/Time:									
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
26"	OL	10YR 2/1	VS ↓	N ↓	H ↓	wet ↓	VFS ↓	UNC ↓	4% ↓	40% ↓	60% ↓	2.5 15.9 12.5 C	A/B voc	5.91 3.79 1.64	Hg
28"	OL	10YR 3/1	VS ↓	W ↓	4 ↓	wet ↓	VS ↓	UNC ↓	0% ↓	50% ↓	50% ↓	0.6	D voc	0.69	
32"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	0.3		0.0	
39"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	0.4		0.0	
51"	cl	2.5 yl 4/1	H ↓	S ↓	M ↓	Mud ↓	Z ↓	N ↓	1% ↓	1% ↓	1% ↓	0.2 0.0 0.0	E voc	0.0 0.0 0.0	
52"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	N/A			
6														no sample 51"-52", only required to sample first 1.0' of clay.	
7															
8															
9															
10															
Additional Notes/Comments:															
<ul style="list-style-type: none"> * core opened @ 9:00 AM on 4/22/11 * OL - significant shear observed throughout length of core, strong odor - very bleak, three pocket observed @ approx 24" * SP-SM - very soft silt sand, higher silt content, red moderate encountered @ 36" 															

TREATABILITY SAMPLE

042211-CO-04-EAST CHAN

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/ND/MSD)	Sample Date/Time	Depth Interval (ft)	SOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	1	S	C	100
A 042211-SC-H24-000026	N	4/22/11 0920	0-26	X X X X	X	X X X	X	X X X				
B 042211-SC-H24-000026-MS	MS	0920	28-34	0-26	XX	X	X	X X X				
C 042211-SC-H24-000026-MS	MS	0920	37-51	0-26	X T	X	X X X	X X X				
D 042211-SC-H24-028032	N	0940	28-37	X X X X	X	X X X	X	X X X				
E 042211-SC-H24-029105	N	0950	39-51	X X X X	X	X X X	X	X X X	2			
F												
G												
H												
I												
J												
K												
L												
M												
N												
O												
P												
Q												
R												
S												
T												
U												

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11



CH2MHILL

Project Name: UOP - Pre-Design Sampling Event
 Project Number: 413366.HW.40.46
 Project Location: East Rutherford, NJ
 Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC-H.25										Easting:	1005832.62										Attempt 1	Refusal? Y/N		
Sampling	M. Velasquez; E. Bayor										Northing:	726799.69										Penetration (ft):	6' 11"		
Crew/Company	Athena										Elevation:											Recovery (ft)	6' 1"		
	Palmer McClellan										Datum:	NJSP Zone 3400 2900										Date/Time:	4/19/11 1605		
	Adam Freeze										Depth (ft):	2' 3" T													
Vessel:	Custom MSP										St. Arrival:	1400										Attempt 2			
Collection:	vibracore										St. Depart:	1415										Penetration (ft):			
Collector Information:	D. Lubell/CH2M HILL										Logged by:	M. Velasquez/CH2M HILL										Recovery (ft):			
Depth below mudline (ft)													Mercury (Hg)												
	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments										
24"		OL 10ye 2/2	VS N	H	Wet	VFS	N	0%	10%	90%	0.0	4"				0.0									
											0.0	12"				0.0									
											3.5	A				0.0									
36"		OL 10ym 2/2	VS N	It	Wet	VFS	N	0%	10%	90%	0.0	25"				0.0									
											2.0	B				0.0									
											0.0					0.0									
41"				Transition	Zone =	no sample					0.0						0.0								
53"		ML 10ye 4/1	VS W	H	Moist	VFS	N	0%	2%	80%	0.0						0.0								
											0.0					0.0									
											0.0					0.0									
67"		Sp. SM 4/1	10yr F	N	H	Moist	VFS	N	0%	90%	10%	0.0					0.0								
											0.0					0.0									
72"				Transition	Zone -	no sample					0.0						0.0								
80"		CL 2.5yr 4/1	H S	M	Moist	PS	N	0%	10%	90%	0.0						0.0								
											0.0					0.0									
											0.0					0.0									
7		W 2.5yr 4/2																							
8																									
9																									
10																									
Additional Notes/Comments:																									
<ul style="list-style-type: none"> * Core processed on 4/20/11 @ 8:00 AM * ML - silt (mm) silt w/ sand, weakly cemented * CL - well cemented clay, plastic, mottled, w/ fine to med. sand Decreasing amount of sand towards end of clay interval 																									
TREATABILITY SAMPLE																4/22/11 - CO - 124 - EAST CHAN									

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/FD/MSD)	Sample Date/Time	Depth Interval (ft)	VOCs (8260B)	SVOCs (3270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Hg	Surfate	ChlOride	Redox
A 042011-SC-H25-000024	N	4/20/11 0830	0-24	X	X	X	X	X	X	X	X	
B 042011-SC-H25-024036	N	4/20/11 0900	24-36	X	X	X	X	X	X	X	X	
C 042011-SC-H25-041053	N	4/20/11 0930	41-53	X	X	X	X	X	X	X	X	
D 042011-SC-H25-053067	N	4/20/11 0945	53-67	X	X	X	X	X	X	X	X	
E 042011-SC-H25-053067-D	FD	4/20/11 0945	53-67	X	X	X	X	X	X	X	X	
F 042011-SC-H25-072080	N	4/20/11 1000	72-80	X	X	X	X	X	X	X	X	
G												
H												
I												
J												
K												
L												
M												
N												
O												
P												
Q												
R												
S												
T												
U												

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11



CH2MHILL

Project Name: UOP - Pre-Design Sampling Event
Project Number: 41336.HW.40.46
Project Location: East Rutherford, NJ
Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC-14-26	Easting:	1005901.19	Attempt 1	Refusal? Y/N										
Sampling	MV EB	Northing:	2261730.7	Penetration (ft):	5' 3"										
Crew/Company	A. Boga	Elevation:		Recovery (ft)	3' 11"										
	Palmer Mc.Clellan	Datum:	NJSP Zone 3100	Date/Time:	4/20/11 1321										
	A. More	Depth (ft):	41' 7"												
Vessel:	custom MSP	St. Arrival:	1310	Attempt 2	Refusal? Y/N										
Collection:	vibracore	St.Depart:	1335	Penetration (ft):											
Collector Information:	D. Lubel/CH2M HILL	Logged by:	M. Velasquez/CH2M HILL	Recovery (ft):											
			E. Bouyer	Date/Time:											
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
1	OL	10YR 2/1	VS	N	H	W	MS	UNC	0%	30%	70%	12.4	A	Hg: 7.32 @ 4" 3.47 0.0	
20"												35.5		@ 13" (VOC)	
2	ML	10YR 3/1	S	W	H	M	FS	UNC	0%	30%	70%	3.9	B	Hg: 0.0	
5"												20.7		@ 28" (VOC)	
3	/	/	/	/	/	/	/	/	/	/	/	3.0	C	TZ-NO SAMPLE	
4	CL	2.5Y 5/1	F	S	M	M	VEG	UNC	0%	10%	90%	2.2		Hg: 0.0	
												7.8		@ 46" (VOC)	
												7.0			
												5.2			
5														End of Core =	
6														54"	
7															
8															
9															
10															
Additional Notes/Comments:															
* core opened @ 1035 on 4/20/11															
0-20": Organic Material Present, Sheen Observed															
TREATABILITY SAMPLE - [042211-C0-04-EAST CHAN]															

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/DF/MSD)	Sample Date/Time	Depth Interval (in.)	VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Hyd.	Sig. Comp.	Cr/Cont.	Res.
A 042011-SC-H26-000020	N	4/2/11 1120	0-20	✓	✓	✓	✓	✓	✓	✓	X	X
B 042011-SC-H26-022035	N	↓ 1130	20-35	✓	✓	✓	✓	✓	✓	X	X	
C 042011-SC-H26-040058	N	↓ 1140	40-55	✓	✓	✓	✓	✓	✓	X	X	
D												
E												
F												
G												
H												
I												
J												
K												
L												
M												
N												
O												
P												
Q												
R												
S												
T												
U												

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11

Station ID:	SC- H.27	Easting:	605983.07	Attempt 1	Refusal? Y/N										
Sampling	D Lubell; E Bruegger	Northing:	726717.45	Penetration (ft):	6.0'										
Crew/Company	Athence Adam Freese. Palmer McClellan	Elevation:		Recovery (ft):	5.0'										
Vessel:	Custom MSP	Datum:	NJSP Zone 2900	Date/Time:	4/19/11 1252										
Collection:	vibracore	Depth (ft):	41 11"												
Collector Information:	M. Velasquez/CH2M HILL	St. Arrival:	1246	Attempt 2	Refusal? Y/N										
		St.Depart:	1255	Penetration (ft):											
		Logged by:	M. Velasquez/CH2M HILL	Recovery (ft):											
				Date/Time:											
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/ Density	Cementation/ Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
12"	OL ↓ 3/1	10YR VS ↓	N ↓	H ↓	Wet ↓	VFS ↓	UNC ↓	0% ↓	20% ↓	80% ↓	2.2 3.8 9.4	A	VUC	Strong color observed while drilling Hg	
14"			Transition Zone	no sample							2.3			1.57 (TZ)	
26"	ML ↓ 4/1 5/1	10YR F ↓	W ↓	S ↓	Moist ↓	VFS ↓	UNC ↓	0% ↓	50% ↓	50% ↓	2.5 1.0 1.2	B	VUC	0.94 0.84 0.76	
36"	SP- SM ↓ 4/1	10YR 4/1 ↓	H ↓	N ↓	H ↓	Moist ↓	VFS ↓	N ↓	0% ↓	90% ↓	10% ↓	0.2 0.2 0.0	D	VUC	0.64 0.66 0.61
48"			↓	↓	↓	↓	↓	↓	↓	↓	↓	0.0 0.1 0.1	E	VUC	0.65 0.66 0.66
50"			Transition Zone	no sample								0.0			0.70 (TZ)
59"	CL ↓ 4/1 4/2	2.5YR H S ↓	M ↓	M ↓	Z ↓	N ↓	0% ↓	0% ↓	100% ↓		0.0 0.8 0.8	F	VUC	0.63 0.54	
6															0.54
7															
8															
9															
10															
Additional Notes/Comments:															
<ul style="list-style-type: none"> * Core opened on 4/22/11 @ 0730 AM * ML - sandy silt w/ intermittent pockets of silt and clay * SP- SM - staining observed from 26" - 28" * OL - phragmite roots/ fragments observed 															
# TREATABILITY SAMPLE <u>042211-CO-08-EAST CTHAN</u>															

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/ND/MSD)	Sample Date/Time	Depth Interval (ft/m)	VOCs (8260B)	SVOCS (8227C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Mercury	Chloride	Sulfide
A 042211-SC-H27-0000.4	N	4/22/11 0800	0-14	X	X	X	X	X	X	X	X
B 042211-SC-H27-04026	N	0830	14-26	X	X	X	X	X	X	X	X
C 042211-SC-H27-014026-D	PD	0830	14-26	X	X	X	X	X	X	X	X
D 042211-SC-H27-026038	N	0840	26-38	X	X	X	X	X	X	X	X
E 042211-SC-H27-038048	N	0850	38-48	X	X	X	X	X	X	X	X
F 042211-SC-H27-050059	N	0900	50-59	X	X	X	X	X	X	X	X
G											
H											
I											
J											
K											
L											
M											
N											
O											
P											
Q											
R											
S											
T											
U											

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11

Station ID:	SC-H.28										Attempt 1	Penetration (ft):	6' 4"	Refusal? Y/N		
Sampling	M. Velasquez; Erica B.										Northing:	1026659.35	Elevation:			
Crew/Company	Athena										Datum:	NJSP Zone 3400 2900	Depth (ft):	413"	Date/Time:	4/19/11 0 1132
Vessel:	Custom MSP										St. Arrival:	1115	St. Depart:	1140		
Collection:	vibracore										Logged by:	M. Velasquez/CH2MHILL				
Collector Information:											D. Lubell/CH2MHILL					
Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency	Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
															Mercury (Hg)	
1	OL 10yr 2/1	VS	N	#	wet	VFS	UNC	0%	10%	99%	2.5			→3"	7.68	
2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	0.9	A	→14"	3.63		
28"											4.8		→85" (roc)	1.06		
35"	/	/	Transition	Zone	-nu		sample	110	Q	33"				0.56 (TB)		
42"	CL 2.5yr 4/1 5/2	R	M	M	moist	VFS	UNC	0%	20%	98%	7.8		→38" (roc)	0.5		
47"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	4.2	B	→41"	0.0		
52"	4	↓	R	M	M	moist	b	0%	0%	100%	6.1		→44"	0.53		
57"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	2.6	N/A	→50"	0.0		
5											4.2		→53" (roc)	0.5		
											1.3		→56"	0.0		
6	Bottom of core = 59"										→ no sample collected directed to sample only 1.0' into clay					
7																
8																
9																
10																
Additional Notes/Comments:																
<ul style="list-style-type: none"> * OL - some organic material b/w 0-28". phragmites vegetation. strong odor ** staining observed in core before opening *** CL - moderate to strongly plasticity. Mottled 2.5 yr 4/1 and 2.5 yr 5/2 																
TREATABILITY SAMPLE										04/22/11-CU-04-EASTCHAN						

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/FD/MSD)	Sample Date/Time	Depth Interval 147 in	VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Surface Chloride	Chloride	Fluoride	Nitrate
A 041911-SC-H28-000028	N	4/19/11 0 1500	0" - 28"	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	
B 041911-SC-H28-035042	N	4/19/11 C 1515	35 - 44	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	
C												
D												
E												
F												
G												
H												
I												
J												
K												
L												
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N												
O												
P												
Q												
R												
S												
T												
U												

Reviewed by: Michael Murphy/CH2M HILL

Date 4/22/11

Station ID:	<u>SC - H.29</u>	Easting:	<u>605855.50</u>	Attempt 1	Refusal? <input checked="" type="checkbox"/>	
Sampling	<u>M Velasquez, E. Brewer</u>	Northing:	<u>726662.01</u>	Penetration (ft):	<u>6'7"</u>	
Crew/Company	<u>Athena</u>	Elevation:		Recovery (ft):	<u>6'4"</u>	
	<u>Adam Freeze</u>	Datum:	NJSP Zone 3100 2900	Date/Time:	<u>4/19/11 0909</u>	
	<u>Palmer McClellan</u>	Depth (ft):	<u>4'5"</u>	Attempt 2	sampled	
Vessel:	<u>Custom MSP</u>	St. Arrival:	<u>0850</u>	Penetration (ft):	<u>7'</u>	
Collection:	vibracore	St. Depart:	<u>0945</u>	Recovery (ft):	<u>6'2"</u>	
Collector Information:	Logged by: M Velasquez/CH2M HILL				Date/Time:	<u>4/20/11 1023</u>
D. Lubell/CH2M HILL						

		Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
1			OL	10y12 3/1	VS	N	H	Wet	VFS	N	0%	5%	95%	0 0.8 0.9	VOC A	Hg 4.78 2.71 1.61 1.0	
20"			ML	10y12 3/1	S	W	H	Moist	VFS	N	0%	20%	80%				
25"			ML	10y12 3/1	S	W	H	Moist	VFS	N	0%	20%	80%			0.57	
30"			SP	10y12 3/1	S	N	H	Moist	MS	N	0%	68%	20%	0	B	0.83 0.75 0.69	
34"			ML	10y12 3/1	S	W	H	Moist	VFS	N	0%	20%	80%	0			
42"			SP	10y12 3/1	S	N	H	Moist	MS	N	0%	68%	20%	0	C/D	0.70 0.66 0.64	
50"			ML	10y12 3/1	S	W	H	Moist	VFS	N	0%	20%	80%	0		0.64	
54"			SP	10y12 3/1	S	N	H	Moist	MS	N	0%	78%	20%	0	E	0.64	
57"																	
59"			CL	10y12 4/2	H	S	H	Moist	VFS	N	0%	90%	10%	0 VOC	F	0.62 0.59 0.62	
71"																no sample, only first	
77"																foot of clay sampled. Hg ($71" - 77" = 0.57$)	
8																	
9																	
10																	

Additional Notes/Comments:

- * Core opened on 4/22/11 @ 1000 AM
- * OL - high content of organic material, phragmites roots/fragments
- * ML - sandy silt, low to mod plasticity, pockets of poorly graded sand (SP) @ 30"-34"
39"-42"
- * CL - very fine sand pocket @ 05"

TREATABILITY SAMPLE

[042211-C0-04-EAST CHAN]

	Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																

Sample Summary:

Sample ID	Sample Type (N/FD/MSD)	Sample Date/Time	Depth Interval (m/m)	VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite	Sample	Chloride	PCP
A 042211-SC-H29-000235	N	4/21/11 1030	0-25	X X X X	X X X X	X X X X	X X X X	X X X X			
B 042211-SC-H29-027039	N	4/21/11 1040	24-39	X X X X	X X X X	X X X X	X X X X	X X X X			
C 042211-SC-H29-034051	N	4/21/11 1050	39-51	X X X X	X X X X	X X X X	X X X X	X X X X			
D 042211-SC-H29-039051	FD	4/21/11 1050	39-51	X X X X	X X X X	X X X X	X X X X	X X X X			
E 042211-SC-H29-051057	N	4/21/11 1100	51-57	X X X X	X X X X	X X X X	X X X X	X X X X			
F 042211-SC-H29-059021	N	4/21/11 1110	59-71	X X X X	X X X X	X X X X	X X X X	X X X X			
G											
H											
I											
J											
K											
L											
M											
N											
O											
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Q											
R											
S											
T											
U											

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11



Project Name: UOP - Pre-Design Sampling Event
 Project Number: 413366.HW.40.46
 Project Location: East Rutherford, NJ
 Survey Duration: April 18, 2011 - April 22, 2011

Station ID:	SC-H.30	Easting:	605800.61	Attempt 1	Refusal? <input checked="" type="checkbox"/>
Sampling	M. Velasquez; E. Bowen	Northing:	726654.12	Penetration (ft):	3'8" 2'4" <input checked="" type="checkbox"/>
Crew/Company	Athena	Elevation:		Recovery (ft):	3'6" <input checked="" type="checkbox"/>
	Adam Freeze	Datum:	HSG-Zone 3100 NJSP 2900	Date/Time:	4/19/11 @ 0842
	Palmer McClellan	Depth (ft):	3'4" (attempt 3)		
Vessel:	Custom Modular	St. Arrival:	0850		
Collection:	vibracore sampling	St. Depart:	1035		
Collector Information:	Platform (MSP)	Logged by:	M. Velasquez/CH2M HILL	Attempt 2	Refusal? <input checked="" type="checkbox"/>
	D. Lubell/CH2M HILL			Penetration (ft):	6'8" 3'3" <input checked="" type="checkbox"/>
				Recovery (ft):	6'3" <input checked="" type="checkbox"/>
				Date/Time:	4/19/11 @ 1020

Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation / Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Attempt 3 (Sampled)
															Comments
1	OL	10YR 2/1	VS	N	H	wet	FS	UNC	0%	40%	60%	2.7	0.0	A	→ VOC @ 4.0"
24"															
36"	Transition	/ Zone - NO SAMPLE										0.0			
48"	SP	10YR 4/2	F	N	H	Moist	FS	UNC	0%	95%	5%	0.0	0.0	B	→ VOC @ 42"
54"															
56"	CL	7.5YR 4/2	H	60	H	Moist	VFS	PEL	0%	2%	98%	0.0	0.0	C	→ VOC @ 53"
61"															→ VOC @ 60"
6															
7															
8															
9															
10															

Additional Notes/Comments:

- * Attempt 1 - no clay encountered, no sample collected per Assistant PM. Recovery = 48"
- # Attempt 2 - no clay encountered, no sample collected. Recovery = 76"
- ** No mercury readings observed
- CLAY not included for treatability comp. sample

* TREATABILITY SAMPLE

042211-CU-04-EAST CHAN

Depth below mudline (ft)	Lithology	Type	Color (Munsell)	Consistency/Density	Cementation/Plasticity	Structure	Moisture Content	Maximum particle size	Odor	% gravel	% sand	% fines	PID Reading (ppm)	Sample IDs (Single Letter)	Comments
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

Sample Summary:

Sample ID	Sample Type (N/FD/MSD)	Sample Date/Time	Depth Interval (ft in)	VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Metals (6010B)	Treatability Composite
A 041911-SC-H30-000024	N	4/19/11 @ 1305	0-24	X X X X X	X X X X X	X X X X X	X X X X X	Hg Cd Ni
B 041911-SC-H30-036048	N	4/19/11 @ 1315	36-48	X X X X X	X X X X X	X X X X X	X X X X X	Cd Ni
C 041911-SC-H30-048054	N	4/19/11 @ 1325	48-54	X X X X X	X X X X X	X X X X X	X X X X X	Cd Ni
D 041911-SC-H30-054061	N	4/19/11 @ 1335	54-61	X X X X X	X X X X X	X X X X X	X X X X X	Cd Ni
E								
F								
G								
H								
I								
J								
K								
L								
M								
N								
O								
P								
Q								
R								
S								
T								
U								

Reviewed by: Michael Murphy/CH2M HILL

Date: 4/22/11

Appendix C

Treatability Test Analytical Results

Honeywell UOP**7-Day Post Measurements**

Date: 5/11/2011
Analyst: M. Stanaway / E. Grant
Sample ID: 042111-CO-01-NORCHAN
SDG: K169001

Mix ID	Amendment Type	Amendment Dose (%)	Pocket Penetrometer (tons/ft ²)
UOP-01-S1-A1-F1	Portland Cement - 1	5%	>4.5
UOP-01-S1-A1-F2	Portland Cement - 1	10%	>4.5
UOP-01-S1-A1-F3	Portland Cement - 1	15%	>4.5
UOP-01-S1-A2-F1	Cement Kiln Dust - 2	5%	0
UOP-01-S1-A2-F2	Cement Kiln Dust - 2	10%	0.25
UOP-01-S1-A2-F3	Cement Kiln Dust - 2	15%	1.75
UOP-01-S1-A3-F1	LaFarge MaxCem - 3	5%	4.25
UOP-01-S1-A3-F2	LaFarge MaxCem - 3	10%	>4.5
UOP-01-S1-A3-F3	LaFarge MaxCem - 3	15%	>4.5
UOP-01-S1-A4-F1	LaFarge TerraCem - 4	5%	>4.5
UOP-01-S1-A4-F2	LaFarge TerraCem - 4	10%	>4.5
UOP-01-S1-A4-F3	LaFarge TerraCem - 4	15%	>4.5
UOP-01-S1-A5-F1	Super Absorbent Polymer - 5	2%	0
UOP-01-S1-A5-F2	Super Absorbent Polymer - 5	5%	8.0
UOP-01-S1-A5-F3	Super Absorbent Polymer - 5	8%	0

Honeywell UOP
7-Day Post Measurements

Date: 5/12/2011
Analyst: M. Stanaway
Sample ID: 041911-CO-02-LAGOON
SDG: K169002

Mix ID	Amendment Type	Amendment Dose (%)	Pocket Penetrometer (tons/ft ²)
UOP-01-S2-A1-F1	Portland Cement - 1	5%	4.5
UOP-01-S2-A1-F2	Portland Cement - 1	10%	>4.5
UOP-01-S2-A1-F3	Portland Cement - 1	15%	>4.5
UOP-01-S2-A2-F1	Cement Kiln Dust - 2	5%	0
UOP-01-S2-A2-F2	Cement Kiln Dust - 2	10%	0
UOP-01-S2-A2-F3	Cement Kiln Dust - 2	15%	0
UOP-01-S2-A3-F1	LaFarge MaxCem - 3	5%	3.5
UOP-01-S2-A3-F2	LaFarge MaxCem - 3	10%	>4.5
UOP-01-S2-A3-F3	LaFarge MaxCem - 3	15%	>4.5
UOP-01-S2-A4-F1	LaFarge TerraCem - 4	5%	1.0
UOP-01-S2-A4-F2	LaFarge TerraCem - 4	10%	>4.5
UOP-01-S2-A4-F3	LaFarge TerraCem - 4	15%	>4.5
UOP-01-S2-A5-F1	Super Absorbent Polymer - 5	2%	0
UOP-01-S2-A5-F2	Super Absorbent Polymer - 5	5%	0
UOP-01-S2-A5-F3	Super Absorbent Polymer - 5	8%	0

Honeywell UOP
7-Day Post Measurements

Date: 5/11/2011 - 5/12/2011
Analyst: M. Stanaway / K. Ensor
Sample ID: 042011-CO-03-BERM
SDG: K169003

Mix ID	Amendment Type	Amendment Dose (%)	Pocket Penetrometer (tons/ft ²)
UOP-01-S3-A1-F1	Portland Cement - 1	5%	1.25
UOP-01-S3-A1-F1 Dup	Portland Cement - 1	5%	1.25
UOP-01-S3-A1-F2	Portland Cement - 1	10%	4.25
UOP-01-S3-A1-F2 Dup	Portland Cement - 1	10%	4.5
UOP-01-S3-A1-F3	Portland Cement - 1	15%	>4.5
UOP-01-S3-A1-F3 Dup	Portland Cement - 1	15%	>4.5
UOP-01-S3-A2-F1	Cement Kiln Dust - 2	5%	0
UOP-01-S3-A2-F1 Dup	Cement Kiln Dust - 2	5%	0
UOP-01-S3-A2-F2	Cement Kiln Dust - 2	10%	0.25
UOP-01-S3-A2-F2 Dup	Cement Kiln Dust - 2	10%	0
UOP-01-S3-A2-F3	Cement Kiln Dust - 2	15%	0.25
UOP-01-S3-A2-F3 Dup	Cement Kiln Dust - 2	15%	0.25
UOP-01-S3-A3-F1	LaFarge MaxCem - 3	5%	1.0
UOP-01-S3-A3-F1 Dup	LaFarge MaxCem - 3	5%	2.25
UOP-01-S3-A3-F2	LaFarge MaxCem - 3	10%	3.75
UOP-01-S3-A3-F2 Dup	LaFarge MaxCem - 3	10%	3.25
UOP-01-S3-A3-F3	LaFarge MaxCem - 3	15%	>4.5
UOP-01-S3-A3-F3 Dup	LaFarge MaxCem - 3	15%	>4.5
UOP-01-S3-A4-F1	LaFarge TerraCem - 4	5%	1.5
UOP-01-S3-A4-F2	LaFarge TerraCem - 4	10%	3.75
UOP-01-S3-A4-F3	LaFarge TerraCem - 4	15%	>4.5
UOP-01-S3-A5-F1	Super Absorbent Polymer - 5	2%	0
UOP-01-S3-A5-F2	Super Absorbent Polymer - 5	5%	0
UOP-01-S3-A5-F3	Super Absorbent Polymer - 5	8%	0

Honeywell UOP
7-Day Post Measurements

Date: 5/11/2011
Analyst: E. Grant
Sample ID: 042211-CO-04-EASTCHAN
SDG: K169004

Mix ID	Amendment Type	Amendment Dose (%)	Pocket Penetrometer (tons/ft ²)
UOP-01-S4-A1-F1	Portland Cement - 1	5%	2.50
UOP-01-S4-A1-F1 Dup	Portland Cement - 1	5%	1.50
UOP-01-S4-A1-F2	Portland Cement - 1	10%	>4.5
UOP-01-S4-A1-F2 Dup	Portland Cement - 1	10%	>4.5
UOP-01-S4-A1-F3	Portland Cement - 1	15%	>4.5
UOP-01-S4-A1-F3 Dup	Portland Cement - 1	15%	>4.5
UOP-01-S4-A2-F1	Cement Kiln Dust - 2	5%	0
UOP-01-S4-A2-F1 Dup	Cement Kiln Dust - 2	5%	0
UOP-01-S4-A2-F2	Cement Kiln Dust - 2	10%	0
UOP-01-S4-A2-F2 Dup	Cement Kiln Dust - 2	10%	0

Honeywell UOP**7-Day Post Measurements**

Date: 5/12/2011
Analyst: E. Grant
Sample ID: 042111-CO-05-EASTCHAN
SDG: K169005

Mix ID	Amendment Type	Amendment Dose (%)	Pocket Penetrometer (tons/ft ²)
UOP-01-S5-A1-F1	Portland Cement - 1	5%	>4.5
UOP-01-S5-A1-F2	Portland Cement - 1	10%	4.5
UOP-01-S5-A1-F3	Portland Cement - 1	15%	>4.5
UOP-01-S5-A2-F1	Cement Kiln Dust - 2	5%	0
UOP-01-S5-A2-F2	Cement Kiln Dust - 2	10%	0.75
UOP-01-S5-A2-F3	Cement Kiln Dust - 2	15%	1.25
UOP-01-S5-A3-F1	LaFarge MaxCem - 3	5%	>4.5
UOP-01-S5-A3-F2	LaFarge MaxCem - 3	10%	>4.5
UOP-01-S5-A3-F3	LaFarge MaxCem - 3	15%	>4.5
UOP-01-S5-A4-F1	LaFarge TerraCem - 4	5%	>4.5
UOP-01-S5-A4-F2	LaFarge TerraCem - 4	10%	>4.5
UOP-01-S5-A4-F3	LaFarge TerraCem - 4	15%	>4.5
UOP-01-S5-A5-F1	Super Absorbent Polymer - 5	2%	0
UOP-01-S5-A5-F2	Super Absorbent Polymer - 5	5%	0
UOP-01-S5-A5-F3	Super Absorbent Polymer - 5	8%	0